

CHEMICAL MARKETS

Established 1914

The Weekly Business Periodical of the
Chemical Process Industries

VOL. XIX No. 33

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Drug & Chemical Markets, Inc.

DECEMBER 23, 1926

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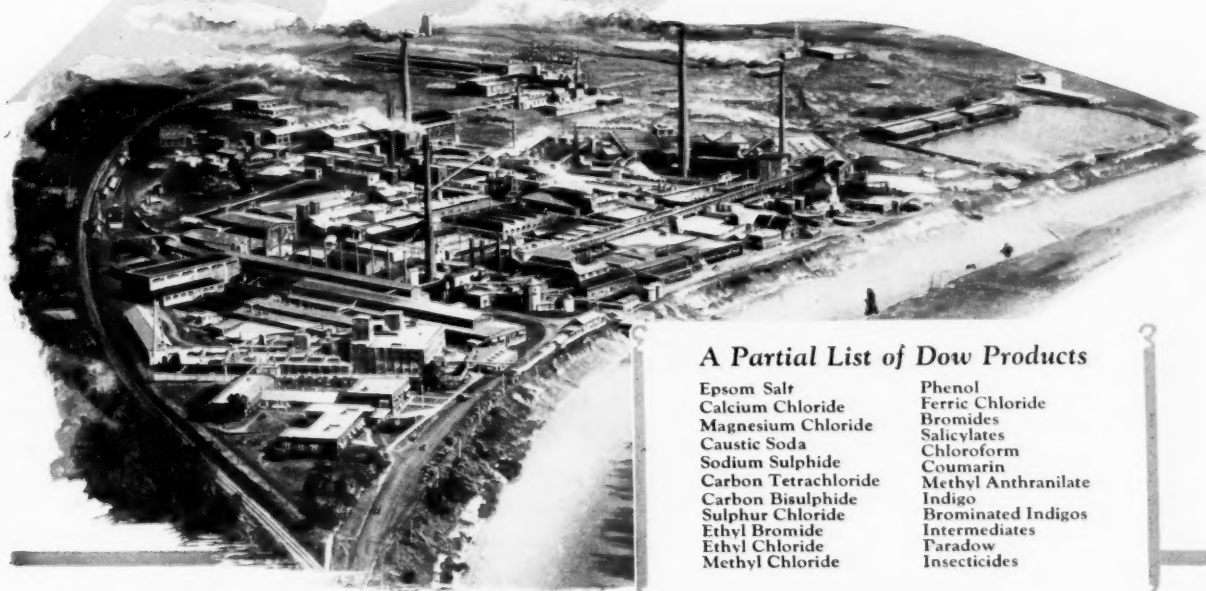
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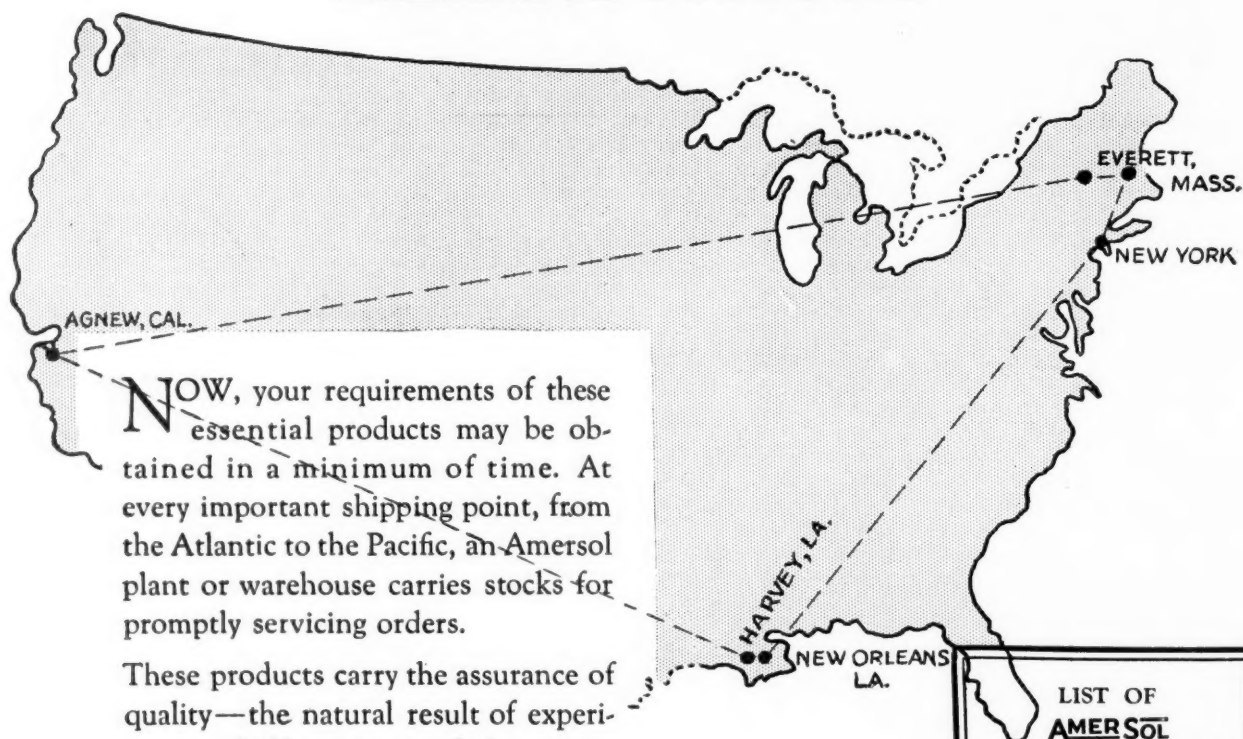
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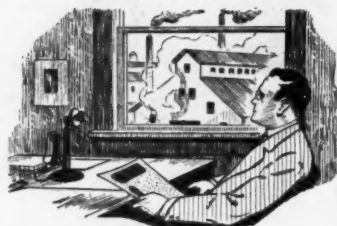
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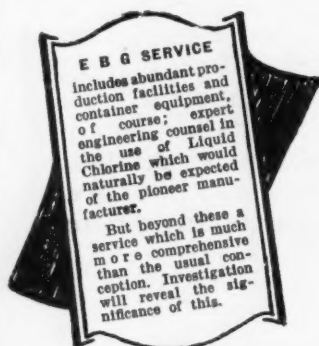
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MATHIESON Chemicals

Two Important Economic Trends

WITHIN the past few years the entire economic structure of the country has been undergoing a fundamental change by reason of the evolution known as hand-to-mouth buying. This trend, at first resisted and feared on all sides, is now recognized as one of the greatest factors in our present national prosperity.

In the chemical industry, during this same period, there has also taken place a basic change of almost equal importance to users of industrial chemicals—the establishment of a direct contact between producer and consumer. In this movement the Mathieson Alkali Works was one of the pioneers. Its progressive policy of dealing direct with the consumer, adopted at a time when the accepted method of distributing heavy chemicals was through an exclusive selling agent, has proven itself economically sound and has gradually extended to other factors in the field.

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ALCOHOL is one of the few products whose production is under absolute government control. By law, its strength and denaturing formulas must pass certain tests, its production must follow certain prescribed methods.

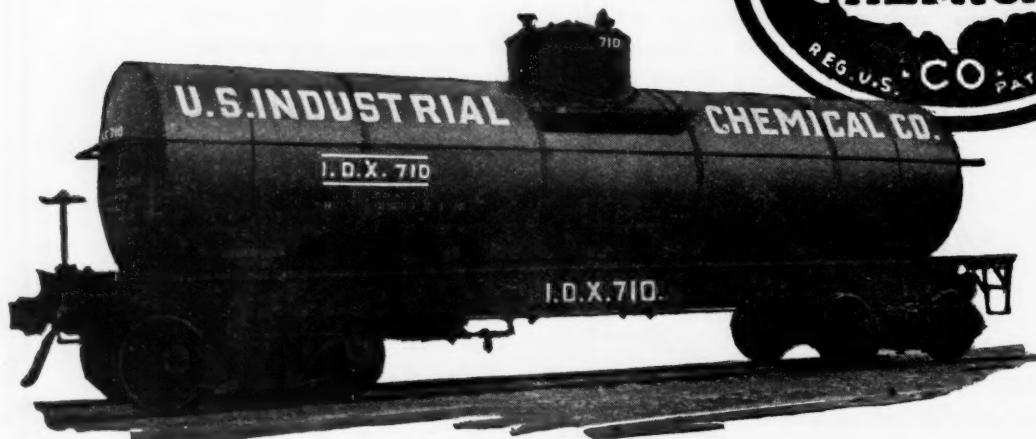
Under the impression that "Government Control" also assures quality of the alcohol itself, many purchasing agents feel that they take no risk in buying from the lowest bidder and make price the determining factor.

In some cases such haphazard "shopping" for alcohol and alcohol chemicals may be satisfactory. But those organizations to whom the supply and quality of these products are most important, have found that real economy demands purchasing *identified* chemicals from manufacturers of recognized standing.

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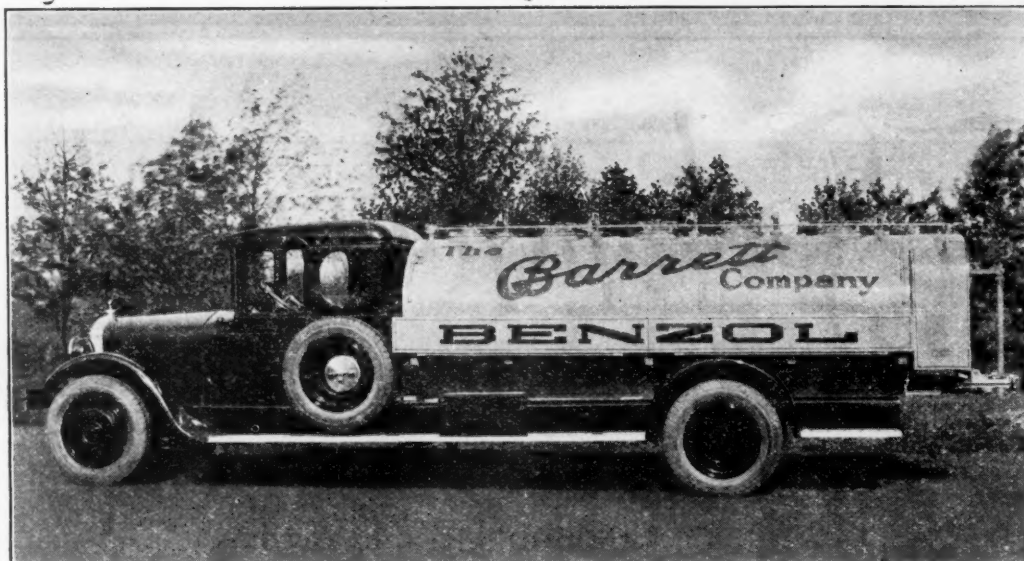
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New York, N. Y.

CHEMICAL MARKETS

VOL. XIX

NEW YORK, DECEMBER 23, 1926

No. 33

Broadening the Sales Market

ONLY by indirect means can the consumption of industrial raw materials—and chemicals, dyes, pigments, oils, fall within this class—be increased, so that greater pressure directly applied through the sales force only intensifies competition without broadening the market.

DURING the high pressure contract season just closing, this fact stands out stubbornly and reveals the truly tragic aspects of competitive sales upon a price basis in a market where supply and demand are badly adjusted. This is no new thought to far-sighted sales executives and already, throughout several different branches of the chemical industry, the conviction that chemical consumption can only be increased by enlarging the entire chemical market has taken healthy root.

LEADING firms in the alkali industry, as an example, are cooperating actively with the soap manufacturers to increase, in a cooperative way, the total consumption both of laundry and toilet soaps. The manufacturers of stearic acid have appropriated \$50,000 for research directed towards reducing the cost of rubber specialties, face creams, and other articles manufactured from their product. While the recently organized Alcohol Manufacturers Association is devoting their research fund at present to the discovery of an ideal denaturant, their plans call for further scientific study to develop new uses for alcohol. The indi-

rect work of the Chlorine Institute in exploring markets is well known. One of the most effective efforts of this sort has been carried on during the last year in the state of Michigan by the Soil Improvement Committee of the National Fertilizers Association in conjunction with the Michigan State Agricultural College.

THIS fertilizer campaign will serve as a model. First, the market was studied, and a preliminary survey revealed why farmers were buying the particular kind of fertilizer that they were using. This knowledge determined the fact that in many cases the local fertilizer dealer is mainly responsible for the fertilizer consumption of his locality and that he is too often an order-taker, too seldom a salesman. Much of the effort, therefore, was directed towards better education of the distributors with the view of training them to help the ultimate consumer. Finally, meetings were held for the farmers in twelve different counties at which they were shown the folly of price buying and the wisdom of knowing exactly what type of fertilizer would yield the greatest dollar results for their crop and their soil.

OTHER fields of business are as well organized as agriculture and offer, through trade associations, a means of broadening the chemical sales market by similar methods, a study of the uses, definite knowledge of the distribution problem, educational information for the ultimate consumer.

TIME FOR A CHANGE

In the denaturing of alcohol according to the Government formulae, the methanol required is specified in part as follows: "The wood alcohol submitted must be partially purified wood alcohol obtained by the destructive distillation of wood". Thus it is seen that under the present specifications, it would be illegal to use synthetic methanol in the denaturing of alcohol. In addition certain impurities are required in the methanol that do not make their appearance in the synthetic material.

If sufficient denaturing grade methanol is not produced in this country by the distillation of wood, and if it is impossible to use the synthetic material, either imported or domestic (as domestic production appears quite near in the future), it seems that the time for changing the wording of the specifications of this all-important denaturant has arrived.

Of what importance in denaturing are the impurities that are required in the denaturing grade of methanol? Is it the methanol or the impurities that render alcohol unfit for beverage purposes, or are the impurities more difficult to separate from the alcohol than the methanol? If the pure methanol itself is sufficient, why not use it? Or if the impurities will suffice, why not use them? Or why not order a formula that calls for a certain definite chemical compound consisting of methanol and other products without specifying their origin? In any event, an investigation of the specifications of methanol as a denaturant should be conducted and a revision made as warranted by the findings.

CHEMICALS AND AUTOS

The contract period just drawing to a close has probably been a period of greater volume of business in chemical products, both in tonnage and value, than any of the years since the war. A prosperous year is ending, and, unless all signs fail, a still more prosperous one is ahead. Factors in many lines are now prone to watch the automobile companies as a barometer of business, and many of these companies are doubtless running far behind former schedules. But there are some automobile manufacturers who are running far ahead of their former production schedules, and these factors are reporting greater profits than ever before.

There is no reason to point out the companies that are falling behind in the march of competitive improvements, as the trend of business. Many chemical companies have passed out of existence within the past few years, and such a course will be followed by others in the future no matter how sound is the business basis of the country. Business is business in automobiles or chemicals or anything else.

The growing importance of the chemical industry to the prosperity of the country is well evidenced by the fact that both the National City Bank and the Bank of Commerce gave very large space to the recent developments in chemistry in their current

monthly reports. The National City Bank has devoted six pages of its nineteen to ammonia and fertilizers, while the Bank of Commerce has given considerable space to a discussion of synthetics made to check monopolies.

Now that the patent covering the use of diphenylguanidine has been definitely awarded to Dovan Chemical Corporation, the market for that product will probably be more firmly established as to price than heretofore. The price will doubtless be controlled in the future by such factors as the cost of production and the cost of competing accelerators.

That the seller and buyer are of equal importance in the chemical industry is generally conceded when a shortage of any product exists. The recent shortages in ammonium chloride, bleach and oxalic acid, as well as the present strength in prices for sodium prussiate, serve to drive home to consumers their absolute dependence on their sources of supply.

There appears to be no doubt as to Japan's firm intention to place her dye industry on a permanent basis. Rhodamine G., recently subsidized by the Government, is the seventh color on the subsidy list. A balance of thirteen colors are awaiting subsidy as soon as they are under production in Japan.

[Ten Years Ago]

(From "Drug & Chemical Markets," Dec. 20, 1916)

To develop color standards an appropriation of \$10,000 has been included in the Appropriation Bill for use of Bureau of Standards.

James B. Duke has recently acquired a considerable amount of stock of American Cyanamid Co. and with Virginia-Carolina Chemical Co. and Spelman & Co., London, represents a controlling interest.

Nitrate production during October in Chile was 6,350,562 quintals, of which 5,242,151 quintals were exported.

Prices on potassium chlorate weakened, with offers at 66c per pound.

Selling tendency in soda ash was offset by the sold-up condition of manufacturers and \$3.05@3.10 was the ruling quotations of 58 per cent light.

Copper sulfates, large blue crystals, 98-99 per cent, were offered at 13c per pound. Lots of 95 per cent were offered 10½c spot.

Toluol was quoted at \$2.25 per gallon for spot deliveries in drums. Tank cars were reported resold at \$1.90 a gallon. On contracts for next year around \$1.75 a gallon was quoted.

Aniline oil and salts are quoted at 22c a pound, recently extremely low quotations having been withdrawn. Salts were easy at 30c@32c a pound.

The once despised cottonseed now gives

COTTONSEED OIL

To make soap and many other products

John McD. Murray

Manager of Oil Department of Henry Hentz & Co.

THERE are men still living who can recall the time when the cottonseed was considered a calamity. At that time there was no known use for it; if dumped in the rivers it clogged their flow; when piled on the ground, nothing grew on that ground for several years, and if by chance cattle broke into the field where it was piled and ate the seed they frequently died. From the rivers in which cottonseed had been dumped a miasma vapor arose, which was credited by the inhabitants of the vicinity as the cause of sickness, fever and death. Small wonder that the people of that day looked upon the cottonseed as being unfit for the ground and the cause of sickness and death to both man and beast. So serious was the menace considered by the people of that day, that meetings were held in certain parts of the South for the purpose of seriously considering the giving up of the growing of cotton. And yet within the space of little over a half century that same cottonseed which was once considered a curse, is today a very vital article of commerce and a blessing not only to those in the South, but to the world as a whole.

For every bale of cotton grown there are approximately nine hundred pounds of seed, therefore if the picked crop of cotton from this year's crop should be seventeen and one-half million bales, the amount of seed produced would be approximately seven million eight hundred and seventy-five thousand tons, of which approximately five million tons should reach the oil mill. The remainder will be held on the farm for seeding, feeding and fertilizing.

Cottonseed as it comes from the cotton gin is covered with a short cotton fibre which the oil miller finds necessary to remove before crushing. This lint is removed by passing the seed through



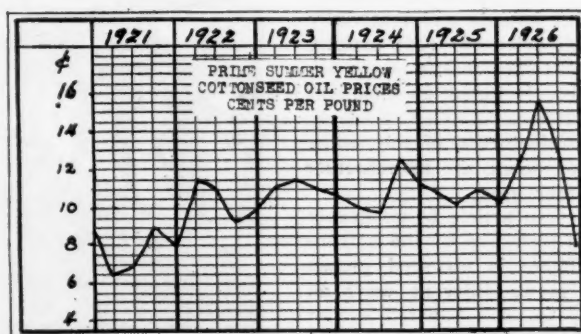
Cotton Plant in Full Bloom

a linting machine which consists of a number of sharp saws revolving at a rapid rate past which the seed is forced. For every ton of seed crushed there are from seventy-five to one hundred pounds of linters produced, so that from this year's crop the linter production should be somewhere from seven hundred and fifty thousand to one million bales. Linters are used for the manufacturing of batts, mattress felts, gun cotton, paper and cellulose from which are produced imitation leather, artificial silk, and many other products.

One ton of seed yields approximately three hundred pounds of oil, so this year's production of oil should be in the neighborhood of four million barrels of fifty gallons each. This would be approximately seven hundred and fifty thousand barrels more than was produced in 1925 and the largest production on record.

Crude cottonseed oil, as it comes from the press, is an amber color with a distinct cotton oil odor. The quality varies according to the soundness or dryness of the seed. In its crude form it may be used for the manufacture of soap and other commercial purposes, but practically all of it is refined and becomes an article of food for human consumption. Cotton oil is refined by the use of caustic soda, steam and heat. The clear oil being drawn off, the remaining residue is known as cotton oil foots or soapstock. Under the ordinary method of

refining, the unit of grade, known as Prime Summer Yellow cottonseed oil, is produced. This oil is a brilliant yellow, and is sweet in flavor and odor, but still retains a distinctive cotton oil odor and taste. From this unit of quality various other grades of oil are produced. The oil usually can be bleached white in color by the use of Fuller's earth or other bleaching agents. It then becomes known





Cottonseed Oil Refining Plant

as White Summer Yellow cottonseed oil, which is used for the manufacture of various lard substitutes; but before being used for this purpose the oil is deodorized by various processes which, thanks to the research work of chemists of the past twenty-five years, has reached a very high state of perfection. Cottonseed oil in its natural state is likely to congeal at a temperature slightly under 60 degrees Fahrenheit. Therefore, in order to prevent this, and produce an oil suitable for a salad oil, it passes through another process known as winterizing. The oil coming from the press is known as Winter Oil and the residue as cottonseed oil stearine. A Prime Winter Yellow cottonseed oil must stand for a period of five hours at a temperature of 32 degrees and be bright and clear. Noted authorities have testified to its digestibility and the enormous amount consumed in this form is sufficient evidence of the favor it has found with the people as a whole.

From a ton of cottonseed there is also produced about 1,000 pounds of cottonseed cake or meal, principally used as cattle food and to some extent as a fertilizing material. There is also produced about four hundred and fifty to five hundred pounds of hulls, which are also used as cattle food and other feeding purposes. The residue from the refining of crude cottonseed oil above referred to as cotton oil foots or soapstock, is extensively used for the manufacture of soap powders and soap. When the foots are concentrated by the use of sulfuric acid, the resulting product is known as acidulated cotton oil foots. Distilled cotton oil foots are known as cotton oil fatty acids and are creamy white to snow white in color. One hundred pounds of acidulated foots will produce about eighty to eighty-five pounds of distilled fats. This distilled fat is extensively used in the manufacture of soap, lubricating greases and similar products. The annual production runs close to a hundred million pounds and materially aids in keeping down the high price of soap-making fats. The residue from the distilling process is known as cotton oil, or stearine pitch. It forms an excellent paint base for metal paints. It is extensively used for roofing materials and by manufacturers of the same. It is also used for insulating purposes, the manufacture of linoleums and numerous other uses.

It is not possible in so short an article to go deeply into the various processes and purposes of the cottonseed and its by-products. There is no seed grown which serves mankind in so many different ways as the cottonseed. For food purposes one hundred million pounds of lard substitutes are made from cottonseed oil every month. Millions of pounds of cotton oil are used annually as salad oils. From the by-products of cottonseed oil man makes soap to cleanse himself;

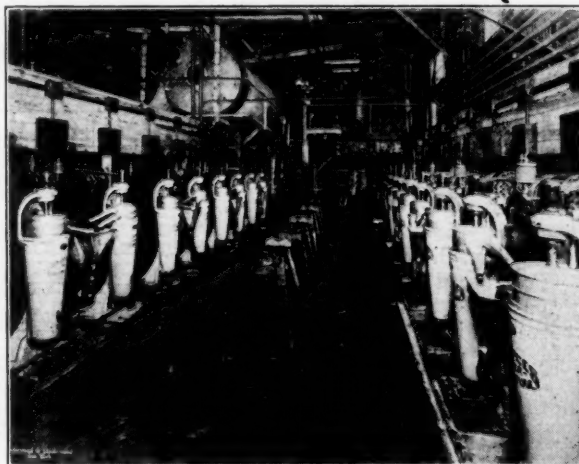
covering for the floor of his home; paint for his building; roofing materials for his roof; food for his cattle; fertilizer for his ground, and only within the last year, from the product of the cottonseed Dr. David Wesson has produced a synthetic steak. I failed to mention that refined cottonseed oil is also used by margarine manufacturers in the production of a palatable flour, so that if man were to be deprived of everything but the cottonseed, it would take but little further chemical research for him to live, move and have his being with cottonseed alone. Man has learned that his cattle died in the early days of cottonseed from overfeeding on rich food, his ground became barren from too rich a fertilizer, that the miasma vapor from the seed in the beds of the rivers was without foundation, with the result that, that which was once considered a curse, was in reality one of man's greatest benefactors.

The prospect of an abundance of cottonseed oil this season is responsible for the present low prices. Nor can we look for any marked improvement until such times as the trade is convinced that the crush will not be as great as the crop would lead us to believe.

At the present time cotton seed is bringing from \$25 to \$30 per ton. At this price for seed there is practically no profit in crude oil at 6 $\frac{3}{4}$ c, which is today's market price. Nevertheless, we believe that the crude oil market will again drop to the 6c level as soon as the weight of the present crop is felt on the market. It will require a cotton oil consumption greater than we had last year to consume all the oil that we will produce, and the domestic consumption of cotton oil last year was the greatest in its history.

Should the tallow and grease market and other edible fats advance, it would have a stimulating effect on cotton oil prices. But we can see nothing in the situation at present to warrant anyone expecting a return of the high prices of last season. It is natural to expect that, should prices remain around the present level, consumption will be on a large scale and that refiners and compounders will willingly carry over a large portion of the present indicated cotton oil surplus, especially should next year's acreage be reduced and the growth of the crop be in any way retarded.

The New York Produce Exchange option market offers a splendid opportunity for anyone to hedge their future requirements. It is possible to buy Prime Summer Yellow cottonseed oil for delivery up to and including next July. Any advance in crude cottonseed oil or other grades of refined cottonseed oil will be reflected by an advance in the Produce Exchange option market.



Cottonseed Oil Refining Equipment

[The Industry's Bookshelf]

THE WAGES OF UNSKILLED LABOR IN MANUFACTURING INDUSTRIES IN THE UNITED STATES, 1890-1924. By Whitney Coombs, Assistant Professor of Economics, Allegheny College. Cloth bound, 162 pages. Published by Columbia University Press.

Results of a careful research into the matter described by the title. The author gives the sources of his information, as well as very complete statistics.

ORGANIC CHEMISTRY. By W. A. Noyes, Ph., Director of the Chemical Laboratory, University of Illinois. Cloth bound, 329 pages. Published by Chemical Publishing Co., Easton, Pa.

A second edition of a laboratory manual containing four new chapters on Analysis of Organic Compounds, General Operations, Ethers, Hydroxy and Ketonic Acids, and Carbohydrates. The preparation of thirty new compounds is also included.

INTRODUCTORY COLLEGE CHEMISTRY. By Neil E. Gordon, Professor of Chemistry, University of Maryland. Cloth bound, 688 pages. Published by World Book Co., Chicago.

Described by the author as an outgrowth of mimeographed material given to classes, consisting mainly of that body of facts, experiments and principles that by common consent have been accepted as the basis for beginning a college course.

CHEMISTRY IN THE WORLD'S WORK. by Harrison E. Howe, editor of Journal of Industrial and Engineering Chemistry. Cloth bound, illustrated, 244 pages. Published by D. Van Nostrand Co., New York.

Described by the author as a work emphasizing in language easily understood by those not technically trained, the part which chemistry has played in assisting in the attainment of our present level of civilization. The author has not chosen the particular industries to which chemistry has made notable contributions, but rather to the activities which have marked man's progress out of the jungle.

ARBITRATION AND BUSINESS ETHICS, by Clarence F. Birds-eye. Stiff cloth covers, 305 pages, published 1926 by D. Appleton & Co., New York.

Starting with a discussion of commercial arbitration through trade associations, touching on common law arbitration, and dealing in more detail with statutory arbitration of business disagreements, this book takes up the history, functions and scope of arbitration and its relation to business ethics. Negotiations between employers and employees are also discussed and the future of arbitration in general is contemplated. Appendices are included outlining various Federal and State laws as they apply to arbitration of business disputes, reviews of certain outstanding cases and mentions of certain associations that arbitrate their difficulties.

HYDROGEN ION CONCENTRATION. Its Significance in the Biological Sciences and Methods for its Determinations, Vol. I. By Leonor Michaelis, prof. in University of Berlin, resident lecturer in research medicine, Johns Hopkins University. Translated by William A. Perlzweig, assoc. in medicine, Johns Hopkins. Stiff cloth covers, 299 pages, published 1926 by The Williams & Wilkins Co., Baltimore.

Volume I of this work deals principally with the theories involved in the measurement of hydrogen ion concentration and is to be followed by other volumes dealing in more extended detail with methodology, colloid-chemistry and physiological applications. The present work is divided into two sections, the first dealing with the chemical equilibrium of ions and the second dealing with the ions as sources of electric potential differences, placing emphasis on this feature of the hydrogen ions

[Who's Who in the Chemical Industry]

Donald Cutler Blanke, Manager, Cyanamid Products Ltd., (London representatives of American Cyanamid Co.) London, England. Born: Brooklyn, N. Y. Education: Phillips-Exeter Academy, Cornell University, B. C., 1920. Business: Hooker Electrochemical Co., Niagara Falls, N. Y., Research Dept., 1920; Western Electric Co., New York, Analytical Chemist, 1921; American Cyanamid Co., New York, Junior Technologist, 1922; sales engineer, 1922-23; manager, Cyanamid Products, London, 1924 to date. Member: Salesmen's Assn., American Chemical Ind., Cornell Club of N. Y.; Delta Phi, American Chamber of Commerce in London; Devonshire Club; Old Colony Club, London. Hobbies: Tennis and golf.

Michael A. Bosman, Secy. and Treas., Dumont Fertilizer Co., Inc., Philadelphia, Pa. Born: Baltimore, Md., May 16, 1871. Married: Ella M. Clazey, Baltimore, Md., Nov. 28 1899. Children: two sons. Education: Public schools of Baltimore; Scranton Correspondence School, Armor School of Technology. Business: Office boy with Chesapeake Guano Co., May, 1886; Supt. Rasin Monumental Co., March, 1904; Factory Manager, D. B. Martin Co., March, 1912; secy. and treas., Dumont Fertilizer Co., Inc., Nov. 1921. Member: Photographic and Traffic Clubs, Ancient Free & Accepted Masons, in all degrees; Blue Lodge, Royal Arch, Knight Templar and Shriner. Hobbies: Growing of roses and other flowers.

John Stewart Campbell, vice-president, Read Phosphate Co., Nashville, Tenn. Born: Franklin, Tenn., April 9, 1873. Married: Helen Knox, Nashville, Tenn., Oct. 5, 1898. Children: one son. Education: Franklin Academy Graduate. Business: Two years L. & N. Railway, New Orleans; 2 years, Mex. Cen. Railway, Mexico City; 28 years, Read Phosphate Co. Member: Chamber of Commerce, Nashville. Hobbies: Fishing and gardening.

Andrew Allgood Holmes, Sales Manager, American Potash & Chemical Corp., New York, N. Y. Born: Rome, Ga., July 24, 1880. Married: Leah Britton, Reading, Pa., Oct. 5, 1904. Children: two sons. Education: University of N. C., B. S., 1901; Cornell Univ. M. E., 1904. Business: 1904-05, mgr. export dept. Deloach Mfg. Co., 1905-06, chief eng., U. S. Brick Co.; 1906-08, N. P. Pratt Laboratory; 1908-12, president, Hancock-Holmes Foundry and Machine Works; 1912-16, vice-president, Enterprise Lumber Co., asst. to pres. A. & St. A. B. Ry. in charge of engineering work and construction; 1916-18, sec. Process Eng. Co., mgr. New Process Gasoline Co.; 1918-22, eng. E. B. Badger & Sons Co., Boston, Mass.; 1922 to date, American Potash & Chemical Corp. Member: Chemists' Club, American Chemical Society, American Institute of Chemical Engineering; Kappa Sigma Fraternity, University Club, Chicago; Roselle Golf Club. Hobbies: Golf and hunting.

Walter Barnes Howe, General Sales Mgr., French Potash Society, New York. Born: Malden, Mass., Sept. 1, 1878. Married: Vera Boyd, 1913. Children: two daughters. Education: Malden High School. Business: Illinois Central R. R., St. Louis, Southwestern R. R., W. R. Grace & Co., Nitrate Agencies Co., and French Potash Society. Member: Masonic Order. Seventh Regiment, Veterans Assn. Hobbies: Golf, photography, fishing.

Where Arsenic is Produced

ONLY by-product arsenic plants belonging to three smelting companies and one mining company were producing white arsenic in the United States during 1925. These plants are situated at Tacoma, Wash., Globe, Colo., Perth Amboy, N. J., Midvale, Utah, and Anaconda and Jardine, Mont. At the Jardine plant, which is connected with amalgamation and cyanidation works, arsenic is recovered as a by-product in the treatment of arsenical gold ores. All of these plants were built or were enlarged in 1923 when the demand for arsenic was the greatest, and no increase in the total quantity of ore treated was necessary to enable the imported and domestic supply to fill consumers' demands in the United States. About half of the arsenic produced came from the smelting of lead ores, the other half from copper smelting plants and from the Jardine gold mill. The chief sources of domestic arsenic were Utah and Montana, where it was recovered from miscellaneous ores and concentrates by American Smelting & Refining Co., United States Smelting, Refining & Mining Co., Anaconda Copper Mining Co., and Jardine Mining Co.

The only companies which produced ore that was sold in 1925 for its arsenic content were Western Utah Copper Co., and United States Smelting, Refining & Mining Co., at Gold Hill, Utah. This ore, little of which was mined in 1925, was shipped to the smelters and stock piled for future treatment. The output of arsenical ore of the Gold Hill mines decreased from 35,444 tons in 1924 to 3,045 tons in 1925. Western Utah Copper Co., also shipped monthly an average of about 1,000 tons of lead-silver ore containing a little arsenic and considerable iron to the lead furnaces at Murray, Utah. Experimental work in the manufacture of weed killer and Paris green from fume received from a 2-ton roasting plant at Sapinero, Colo., was reported by White Iron Ores & Products Co.



Baker & Collinson, Detroit, are extending their storage capacity to take care of the increased business of their principals, William Cooper & Nephews, in the sale of benzene, toluene, solvent naphtha and xylene. They now have a capacity of 50,000 gallons underground. In addition to this Baker & Collinson have added 20,000 gallons capacity above ground to handle linseed oil for William O. Goodrich Co.; denatured alcohol for Kentucky Alcohol Corp.; and Chinawood oil for Paterson, Boardman & Knapp. A warehouse is also being erected with 5,000 square feet of floor space for the storage of dry colors manufactured by Paul Ulich & Co., C. K. Williams & Co., and L. Martin Co., as well as lacquer solvents and plasticizers manufactured by Kessler Chemical Co.

Catalyst Chemistry

Dr. E. K. Rideal outlined some progress being made in regard to catalysis at a recent meeting of the Society of Chemical Industry of London, according to "Chemical Age." He showed how the effectiveness of even a good technical catalyst is still surprisingly low and how light is being shed on the specific effects of promoters. The fact that the surfaces of catalysts are not entirely uniform has been proved by his own work and supported by work of others. Today there is fairly conclusive evidence that the surface of a catalyst is not uniform in regard to its surface energy; especially is this so in simple carbon. The catalytic industry has developed owing partly to the fact that by the addition of small traces of certain substances, called promoters, it is possible to increase the catalytic activity of a given weight of material enormously. This was first exploited by Badische Co. in the manufacture of hydrogen from water gas. Referring to his own experiments upon promoters, Dr. Rideal showed that taking pure sugar and adding iron to it had the effect of increasing the catalytic activity by 14 times, while if, in addition, nitrogen was added, then the surface was 800 times as active as that of the original material by itself. He suggested that further investigation into the properties of promoters would lead to industrial results of considerable value.

In homogeneous catalysis, a study of the inhibition of autoxidation and polymerization of varnish and paint vehicles, and of anti-knock compounds in gas mixtures opens up a new vista of pure research, the desire, of course, in this case being to slow down oxidation and not to hasten it. In paints and varnishes, this is extremely important in relation to stability, especially when sent to hot and sunny climates. Study of the action and properties of inhibitors is work which could be done in universities, it having, although looked upon as pure research, a very strong industrial basis. There are several theories regarding the action of inhibitors, but Dr. Rideal said that recent work in America suggests that the walls of the vessel in which the reaction takes place and the impurities in the materials used played an important part.

Dr. Rideal referred to synthesis of fats, production of methyl alcohol, and Bergius process as instances of pure research which have had unexpected commercial applications. He concluded by remarking that experiments of Professor E. C. Baly and others on the transfer of energy, on collision, from photo-electric or electron excited molecules to ordinary molecules was suggestive of developments in a technical direction.

Total production of bauxite in the United States from the beginning of the industry in 1889 through 1925 was 6,045,394 long tons, valued at \$33,513,987. The quantity produced in the period 1889 to 1895, inclusive, was 0.9 per cent of this total and for the period the average value f.o.b. mines was approximately \$3 a ton. In the following decade, 1896 to 1905, 5.2 per cent of the total was produced and the average value was about \$4; in the next decade, 1906 to 1915, 25.5 per cent was produced with an average value of about \$5; and in the last decade, 1916 to 1925, 68.4 per cent with an average value of about \$6. The first bauxite produced in the United States was that obtained in 1889 from deposits in the north Georgia field. In 1891 the Alabama deposits made their first production, and practically all the bauxite mined in the United States until 1899 came from these two States. The Arkansas deposits made their first output in 1896, but it was not until 1900 that their influence was felt. In 1907 the Tennessee deposits first began shipments.

[News and Markets Section]

Dovan Wins D P G Patent Suit

Decision in Third Circuit Substantiates Claims as to Patentability and Priority of Discovery—Patent Covers all Disubstituted Guanidines Including Djortho-tolylguanidine and Phenyl-ortho-tolylguanidine

Dovan Chemical Corp., New York, has been given a decision against Corona Cord Tire Co., in the U. S. Circuit Court of Appeals for the Third Circuit, Justices Buffington, Wooley and Davis sitting. The suit was brought by the Dovan Corporation for infringement of patent No. 1,411,231, covering the use of all disubstituted guanidines, and particularly diphenylguanidine, as rubber accelerators. A similar suit had previously been brought by Dovan against National Aniline & Chemical Co., which was won by Dovan in the district court and lost to National in the second circuit court. Thus at present National has a right to sell diphenylguanidine and other disubstituted guanidines in the territory covered by the second circuit, while in the third circuit and all other circuits the patent of Dovan is binding.

The present suit was lost by Dovan in the lower court and then won in the higher court. The suit was defended on two grounds, first it was charged that the use of disubstituted guanidines was not a patentable invention, and second it was charged that M. L. Weiss, in whose name the patent was issued, was not the original inventor. It was proven to the satisfaction of the court that the use of diphenylguanidine was an advance in the art of vulcanizing rubber, reducing the time of vulcanization, obviating overcuring, and increasing the character and worth of the finished product. Thus the court decided that the discovery was a patentable invention.

The priority of Weiss' discovery was attacked by the defense who attempted to prove that the date of an important experiment had been changed in his experiment book from Sept. 10, 1919 to Feb. 10, 1919, bringing the date of this experiment to a time before the reading of a paper by Dr. G. D. Kratz, before the American Chem-

ical Society on Sept. 2, 1919. It was decided by the court on the evidence submitted that the date had not been changed, and also that many other important experiments had ante-dated the one in question. In Dr. Kratz's paper, diphenylguanidine was merely listed as one of the products given in two tables of products suggested as accelerators. The court found that this paper "had no effect upon the working art and no one made any use of it. No one selected diphenylguanidine from the tables and used it. No special emphasis was laid upon diphenylguanidine, and it is quite evident that if advance in the art had stopped with the paper, the art would not have the information and advance disclosed by Weiss in his patent, and would have not made the successful advance which followed Weiss' disclosure. Such being the negative results of the paper, we cannot accede to the proposition that its theoretical statements, valuable as they were, forestalled or even foreshadowed the clear-cut practical conception which Weiss then proposed and later worked out, namely the successful pioneer making of diphenylguanidine commercially, and when made successfully and pioneeringly, by using it in the rubber vulcanizing art."

In addition to giving Dovan exclusive rights to sell diphenylguanidine this patent also restricts the use of other disubstituted guanidines, such as diortho-tolylguanidine, and phenyl-ortho-tolylguanidine. As these other products are covered by later patents held by other companies, it will be necessary for the Dovan Corporation and the holders of the later patents to grant to each other the rights under the respective patents in order that these products can be sold.

German zinc syndicate is to be dissolved at the year-end. Thereafter, dealings in zinc futures on Berlin exchange will be permitted.

NOVEMBER EXPORTS

Washington, D. C., Dec. 21—Exports in November, 1926 were \$481,000,000 as compared with \$448,000,000 in November, 1925, an increase of \$33,000,000. While the figures are preliminary and few details are as yet available it is known that this increase occurred in the face of a reduction, due chiefly to lower prices, of approximately \$27,000,000 in the value of raw cotton exported during the month. In other words, commodities other than cotton showed an increase of about \$60,000,000. This increase was quite widely distributed among different commodities. The only precise information we have as to an important contributing factor is the figure for wheat which showed an increase of somewhere between \$15,000,000 and \$20,000,000 as compared with November, 1925. The exports of wheat in 1925 were abnormally low owing to the poor crop, and the present exports are more in line with usual conditions, although below the exceptionally high figures of 1924.

The increase of about \$25,000,000 from October, 1926 to November was also very generally distributed among numerous commodities. There was a decrease of about \$2,000,000 in cotton and little change in wheat.

Work is under way on the chemical factory of Burdick Mineral Corp. of Wisconsin to be used to make leather tanning chemicals, dyes for cotton, woolens, and silks, printers ink, paint, basic pigments for tire casings, linoleum and wall paper. The first unit will be 85 by 125 feet.

Potassium permanganate tariff rates have been investigated by Tariff Commission experts who have completed their report on an application for increase of 50 per cent maximum allowable under flexible tariff. The present rate is 4c per pound. The application is for 6c.

Air Reduction Co. has declared quarterly dividend of \$1.25, payable Dec. 31 on stock of record Dec. 15.

British Sulfate Makers Fight Competition

Federation Appoints Selling and Propaganda Agent—Germany Turning Out Every Two Months More Than Total Annual Production of Nitrogen in United Kingdom—Germany's Annual Output is 66 Per Cent of World's Production Outside Chilean Nitrate

British Sulphate of Ammonia Federation, at its annual meeting in London, in November, appointed Nitram, Ltd., sole selling and propaganda agent for the Federation until 1946. Dr. D. Milne Watson, chairman of the company, said:

"The formation of the Federation has been a remarkably successful venture. It has appeared, however, to some of us that the Federation has now reached a stage in its development when its progress can only continue if it oversteps the limits laid down for it in its constitution. But those of us who are responsible for the proposals which we are putting before you feel that it is far better that the Federation should continue to function within the four walls of its constitution, leaving it to the new company, Nitram, Ltd., to enter into the full development of the larger aims and powers, for which the Federation has paved the way. The chief merits of the scheme are four in number.

"The scheme will provide for the Federation the capital which it lacks, and which has become necessary in view of the extension of its activities.

"The scheme while providing for adequate expenditure on propaganda by our members, Synthetic Ammonia and Nitrates, Ltd., definitely limits the share of the cost of propaganda and administration which the by-product member of the Federation will be called upon to shoulder in the future to the very modest sum of 3s per ton produced, and this is a maximum which may possibly be reduced.

"Thirdly, the scheme gives the members of the Federation four years' practical trial in which they can observe for themselves its merits or its disadvantages. If, at the end of May, 1930, the members of the Federation do not consider that the scheme has benefited them, then they will be quite free to go their own way. If, however, as I hope and believe, this scheme is going to be beneficial to the members of the Federation, then I think that you will all agree with me that its adoption will do more than anything else we could possibly do to provide for the continuation of the Federation after 1930.

"The fourth point is that this

scheme means the creation of a selling organization which I believe in time will profoundly affect the whole fertilizer position in this country. Agricultural chemists have all along recognized that each different kind of fertilizer has its own special function and that a well-balanced plant food is made up of all kinds of different ingredients. Naturally, the commercial interests which have been responsible for the production of the various fertilizers have endeavored to get the maximum sale for the particular product which they happen to be making. Although we have not let that fact bias our propaganda work, which has been carried out on very broad and sane lines, yet the fact that this Federation was formed to sell sulfate of ammonia naturally precludes it from dealing with other fertilizers. That limitation will be removed by the formation of Nitram, for the new company will be in a position to sell any kind of fertilizer which is required by the farmer.

"I think we shall find that, as a result of this liberty of action, the work which Nitram will be able to carry out will be infinitely more beneficial, both for producers and consumers, than the work to which the limitations for the Federation have restricted it. The Nitram scheme gives the by-product maker of sulfate of ammonia in Great Britain a very important voice in the conduct of these fertilizer sales and propaganda.

"As regards the international aspect of the matter, similar bodies are already in existence in Germany, France, Italy, and Belgium. The producers in all these countries have found it greatly to their advantage to have a selling organization which could deal, not only with their own particular product, but with all the fertilizers required by farmers, and at the same time you have only got to look at the reduction in prices which have been partly the result of centralization of production and sales to see that farmers all over the world have benefited very considerably."

E. J. Maguire, of New York sales staff of Grasselli Chemical Co., became a father to Marie Theresa Maguire on Dec. 7.

Dr. George D. Rosengarten, of Powers-Weightman-Rosengarten Co., has been elected president of the American Chemical Society to succeed Professor James F. Norris. Dr. Rosengarten was chosen by a nation-wide ballot among 14,900 members of the society. The new councillors-at-large are: Professor Edward Bartow, Iowa; Charles A. Brown, of United States Bureau of Chemistry; Samuel Colville Lind, of United States Bureau of Mines; Harlan S. Miner, Gloucester City, N. J. Directors elected were: Dr. James F. Norris, retiring president; and Dr. Charles L. Reese, of E. I. Du Pont De Nemours & Co.

A leading German trade publication states that the German convention including all domestic manufacturers of potassium and sodium nitrate will be dissolved, effective January 1, 1927. It is further stated that manufacturers have entered into an agreement with I. G. Farbenindustrie A. G. whereby that concern will absorb virtually all German producers of those products. Chemische Fabrik in Billwaerder vorm Hell and Sthamer A. G., which is a factor of considerable importance in the production of potassium and sodium nitrate in Germany, is reported to have remained independent of this agreement. It is believed in Germany that the reported developments promise to create competition between Chilean nitrate, on which certain German firms are dependent, and the I. G.'s air-fixed nitrogen salts.

Rapeseed oil tariff rates are lower by ruling of Customs Court sustaining M. Kawahara's protest on importation of oil at Honolulu. Judge Waite held that duty should have been assessed at the rate of 6c a gallon under Paragraph 54, Tariff Act of 1922, as claimed in the protest, and not at 25 per cent ad valorem under the provisions of Paragraph 58, as mixture of vegetable oils, as assessed by the collector.

Samuel J. Hefti has started business in partnership with his sons, under the name of S. J. Hefti & Sons, at 120 W. Kinzie st., Chicago, representing Garfield Aniline Wks., Herrick & Voight and Tinolan Co. of America.

Disinfectant Makers Discuss Advertising

Insecticide and Disinfectant Manufacturers' Association, which met at Hotel Astor, New York, Dec. 13, 14, 15, appointed a committee and voted funds to investigate the advantages of co-operative advertising. Several Government officials spoke. The following officers were elected: President, Frederick A. Hoyt, Frederick Disinfectant Co., Atlanta; first vice-president, H. W. Hamilton, White Tar Co.; second vice-president, Evans E. A. Stone, Standard Oil Co. of New Jersey; treasurer, Robert J. Jordan, Wm. E. Jordan & Bro.; secretary, Harry W. Cole, Baird & McGuire, Holbrook, Mass.

Frederick A. Hoyt discussed legislative problems in his annual address, saying in part: "The first legislative problem came before us in the form of the Griest caustic acid bill. In its original form this bill would have placed a serious handicap on our industry. A similar bill, known as S-2320, introduced by Senator Pepper, 'to safeguard the distribution and sale of certain dangerous substances,' has been passed by the Senate and is now on the House calendar for final action. The lye industry recommends that this bill should be amended to provide that any article subject to it may be sold by any dealer. The purpose is to secure the incorporation of this standard clause in similar State legislation and thus prevent the enforcement of State poison or pharmacy laws to restrict the sale of the articles mentioned to registered pharmacists.

"It behooves every one interested in our industry to use every effort toward the adoption of this or a similar amendment. I understand the State of Washington has introduced an amendment to its poison statute to include insecticides and fungicides. This would place the sale of all insecticides and disinfectants in the hands of registered pharmacists.

"The Merritt misbranding bill, H. R. 3904, has not been acted upon. Our objection to this bill was that it took jurisdiction over insecticides and fungicides, overlapping the authority of the Insecticide and Fungicide Board.

"The Frazier Senate bill, S-2657, passed the Senate, but not the House. The bill authorizes the Postmaster General to devise suitable packages for mailing poisons. This may affect some of our products and needs watching. Many

State legislatures did not meet this year. This means more care next year."

Mr. Hoyt referred to a liquid disinfectant, based on pyrethrum, which has been patented by a leading oil company and suggested that manufacturers who have been making a similar preparation should gather information to protect themselves from possible suit for infringement.

The president reviewed the action of the association regarding charges of unfair trade practices made by Federal Trade Commission, and said the resolutions adopted by the association had been sent by the Commission to all parties concerned for approval and signature. If signed and not lived up to, complaint would be issued, he said. If not signed, suspicion would be directed against the company refusing. The Federal Trade Commission is helping us erase a blot on our industry and the members of this association, as well as all others affected by this unfair practice should feel it a conscientious duty to aid the commission by reporting to them or through the association any violations of this resolution that may be brought to their attention. Mr. Hoyt recommended the lowering of the tariff on crude drug cresols.

HERTY FOR PRESIDENT

Dr. Charles H. Herty is suggested as "one of the great industrial leaders who would be worthy of nomination for President of the United States," by "Manufacturers Record," Baltimore. The suggestion seems to have been inspired by action of American Association of Engineers which recently advocated choice of an engineer for President (probably meaning Secretary Hoover). Richard H. Edmonds, editor, "Manufacturers Record" says in part:

"If we run down the list of great industrial leaders worthy of the nation's highest honor, men who are equally as constructive in their work as the engineers, we might name such, for instance, as Dr. Charles H. Herty, the chemist whose work largely enabled this country to create its chemical industry, thereby helping us to win the war."

N. E. Bartlett, of Pennsylvania Salt Co., who was injured in a railway accident on November 20, has returned to his home at 2125 Pine st., Philadelphia, from the hospital, and his physician reports that his injuries, which include severe bruising and the fracture of seven ribs, are progressing satisfactorily and that no permanent bad effects will result.

John B. Akes Mitchell, president and treasurer of Mitchell Fertilizer Co., with a plant in New Jersey, died in a Providence (R. I.) hospital at the age of 72.

U. S. ALCOHOL DIRECTORS INSPECT PLANTS

Ten directors of U. S. Industrial Alcohol Co., pictured below have recently returned to New York following an extensive tour of all the plants of the company and its subsidiaries with the exception of the newly acquired plant at Anaheim, Cal.

During the trip interesting inspections were made of Wood Products Co., Buffalo, under the guidance of H. H. Stilling. Stops were also made at Chicago for an inspection of the bonded warehouses as well as other buildings; at Peoria, where L. A. Helfrich headed the party on its visit to the company's plant; thence to New Orleans and the Industrial, Central and Louisiana plants there, and finally to Baltimore to inspect the company's two plants on Curtis Bay, the largest of their type in the United States.



Left to right: R. R. Brown, managing director; O. G. Jennings; H. S. Reubens, chairman; E. W. Harden; G. S. Brewster; S. H. Stilling, supt. Wood Products Co; Glenn Haskell, general sales manager; Dr. A. A. Backhaus, production manager; F. G. Fennessey, secretary to the chairman; H. W. MacArthur, traffic manager.

[The Industry's Finances]

R. R. BROWN HEADS U. S. INDUSTRIAL ALCOHOL

Declaration of \$1.25 Quarterly Dividend Places Common Stock on \$5 Basis—Horatio S. Reubens, Retiring President to Devote Himself to Personal Interests—Remains as Chairman of the Board of Consolidated Railways of Cuba—Plants of Company Cover United States, Reducing Cost of Distribution

United States Industrial Alcohol Corp., has resumed dividends on common stock by a quarterly dividend of \$1.25, payable Feb. 1 to stock of record Jan. 15. Regular quarterly dividend of \$1.75 on the preferred stock was also declared payable Jan. 15 to stock of record Dec. 31. Horatio S. Reubens, chairman of

dividend declaration, Mr. Reubens said:

"The plants of the company are in prime condition and thoroughly modernized as production units. The personnel of the company in the production and sales department and in general demonstration is unquestionably excellent in individual



R. R. Brown

the board and president of the company announced his retirement to take effect Dec. 31. He will be succeeded by R. R. Brown who has been assistant to the president. No decision on Mr. Reubens' successor as chairman of the board has been reached. Mr. Reubens will continue as chairman of the board of Consolidated Railways of Cuba. In a statement accompanying the



H. S. Reubens

merit and in harmonious and hearty cooperation. The producing plants now cover the entire country in localities which make possible a minimum cost of distribution.

"Despite the conditions of the alcohol industry all the current year profits of the company from operations are satisfying. Cash position after full payment for two plants acquired this year is so strong as to guarantee the soundness of the company's position well into the future. The company has no funded or floating debt and no bank loans and at the close of this year will have no liabilities except such accounts payable as cannot then be audited and vouchered. Were it not for these conditions I would not now have retired from my long connections with the company even to devote myself to matters in which I have a personal interest."

Judgment for \$128.29 has been filed by Rex Chemical Company, New York, against Americo P. Miglione and Arthur L. Miglione.

MERRIMAC CHEMICAL CO. EARN \$5.23 A SHARE

Merrimac Chemical Co., Boston, financial statement, showing its condition as of Sept. 30 last, which was presented at the annual meeting last week indicates net earnings equal to \$5.23 a share on the capital stock of \$50 par value outstanding as of that date. After deducting the dividends the surplus amounted to \$2,066,984 compared with \$2,050,515 at close of previous fiscal year. Assets include land, building and machinery \$3,230,666, cash, accounts receivable and notes receivable, \$1,197,961, inventories \$1,042,233, government and municipal obligations \$1,128,132 items prepaid and accrued, \$153,528. This totals \$6,752,520, and compares with total assets of \$6,717,031 a year earlier. Accounts payable are \$269,201, reserves \$683,295. Surplus \$2,050,515 at close of previous year.

American Cyanamid Co. has declared a quarterly dividend of 20 cents on "A" and an extra dividend of 10 cents on the same issue; and corresponding dividends on "B" stock. The quarterly dividend of \$1.50 was also declared on preferred; all dividends payable Jan. 3 to stockholders of record Dec. 15.

Stockholders of Brunner, Mond & Co., Nobel Industries, United Alkali Co. and British Dyestuffs, all members of the £65,000,000 chemical merger recently announced, have been invited to exchange their holdings into stock of the merger. Overseas stockholders have been notified the offer will remain open until Jan. 15.

Freeport Texas Co. resumed dividends last week with declaration of a 50 per cent quarterly payment, payable Feb. 1 to stock of record Jan. 15. This is the first dividend to be paid by the company since 1919, when payments were made at the annual rate of \$4 per share.

Devco & Reynolds Co. has declared the following regular quarterly dividends: 60 cents on "A"; 60 cents on "B"; 1¼ per cent on first preferred; and 1¼ per cent on the second preferred, all payable Jan. 2 to stock of record Dec. 23.

Hercules Powder Co. has declared an extra dividend of 4½ per cent on common in addition to the regular quarterly payment of 2 per cent, both payable Dec. 24 to stock of record Dec. 15.

[Foreign Exchange]

	Par	Current
Great Britain (pound sterling)	4.866	4.849
France (franc) . . . . .	.193	.399
Italy (lira) . . . . .	.193	.447
Belgium (franc) . . . . .	.198	.139
Denmark (krone) . . . . .	.268	.266
Czechoslovakia (crown) per 100	20.30	2.96
Germany (mark) . . . . .	.238	.238
Holland (florin) . . . . .	.400	.400
Poland (zloty) . . . . .	.193	.115
Norway (krone) . . . . .	.258	.252
Spain (peseta) . . . . .	.193	.152
Sweden (krone) . . . . .	.268	.267
Switzerland (franc) . . . . .	.193	.193
Argentina (peso) . . . . .	.414	.412
Brazil (milreis) . . . . .	.324	.119
Japan (yen) . . . . .	.499	.488
India (rupee) . . . . .	.485	.359
China (Silver dollar, Hongkong) . . . . .	.789	.481
(Taai—Peking silver)	1.146	.625
(Taai—Shanghai silver)	1.986	.593

CHILE COPPER BONDS

Chile Copper Co. is offering at 96¼ and interest, to yield 5.25 per cent, a new issue of \$35,000,000 twenty-year 5 per cent gold debentures, due Jan. 1, 1947. Proceeds of the issue will be applied to the redemption on April 1, 1927, of 6 per cent convertible collateral trust gold bonds now outstanding to the amount of \$34,990,500.

Texas Salt Co. is said to have spent \$500,000 in preliminary work to obtain salt at Blue Ridge, Tex. The shaft is 246 feet to the top of the salt deposit. Engineers claim that at 800 feet about 26,000,000 tons will be available. The total cost including a refining plant will be \$1,250,000.

Judgment for \$850,000 against Barber Asphalt Co. in favor of Standard Asphalt & Rubber Co., has been affirmed by U. S. Circuit Court of Appeals, Chicago. The suit was brought for infringement of Culmer patent covering air-blown asphalt and has been in the courts for 14 years.

Archer-Daniels-Midland Co. has declared an initial quarterly dividend of 75 cents on common and quarterly dividend of \$1.75 on preferred, both payable Feb. 1 to stock of record Jan. 21.

Receiver for George H. Bauckheimer & Son, Baltimore, Md., manufacturers of leather goods, has been appointed at request of Old Town National Bank. Assets \$15,000.

Shares of Butterworth-Judson stock were sold at auction by Adrian H. Muller & Sons, Dec. 9, at \$10 for 457 shares of common stock, and \$13 for 94 shares preferred.

Cook, Swan & Young Corp. has declared quarterly dividend of 1¼ per cent on preferred, payable Jan. 15 to stock of record Dec. 31.

International Nickel Co. has declared quarterly dividend of 50 cents on common, payable Dec. 30 to stock of record Dec. 16.

Cellulose Products Co. has declared quarterly dividend of 62½ cents, payable Jan. 15 to stock of record Jan. 3.

Canadian Salt Co. has declared quarterly dividend of 2 per cent, payable Jan. 1 to stock of record Dec. 17.

[Stocks & Bonds]

	1925		1926		Current		Ann. Div.
	High	Low	High	Low	Bid	Asked	
*Air Reduction	115	86½	145½	107½	141½	141½	5
*Allied Chem	115½	80	147	108	147	147½	4
*Allied Chem pfd	112½	111	122½	118½	120½	121½	7
*Am Ag Chem	29½	13½	40½	34½	14	14½	
*Am Ag Chem pfd	82½	30½	96½	35½	51	51½	
Am Can	...	...	63½	38½	53½	53½	
Am Can pfd	121½	115	130	121	128	130	
*Am Cyan "A"	...	...	46	36½	35	37	
*Am Cyan "B"	...	...	47	35½	34	37	
*Am Linseed	59½	20	52½	25½	31½	32½	
*Am Linseed pfd	89	58	87	68½	73	76	
*Am Metals	57½	45½	57½	44½	45½	45½	
*Am Metals pfd	118	110	119	115	110	114	
Am. Rayon Prod.	51½	26½	35½	29½	...	...
Amer Smelting	114½	90½	152	109½	145½	146	
*Am Smelting pfd	115½	105½	122	112½	121½	122	
*Am Zinc	12½	7½	12½	5½	8½	9	
*Am Zinc pfd	44½	24½	48½	20	46½	47	
Anglo Chl. Nitrate	101	97½	100½	95½	95½	...	
*Archer-Dan-Mid	46	26	44½	36	42	42½	
*Archer-Dan-Mid pfd	105	90½	108	100	106	108	
*Armour Del pfd	100	90½	97½	93	92	93½	
*Atlas Powder	65	45	63	54	62½	63	4
*Atlas Powder pfd	94	90½	97½	96	96½	98	
Brooklyn Un Gas	100½	73½	98	68	94	95	
By-Products Co.	...	...	...	...	71	72	
By-Products Co. pfd	...	...	...	...	106	110	
*Calla L & Z	4½	1½	2½	1½	1½	1½	2
Canad. Ind	20½	14	20	16½	16½	...	
Canad. Salt	154½	140	145	131	105	115	
Casolin Co.	...	...	...	...	145	155	
Celluloid Corp	50½	18½	26	15	17	21	
Celluloid Corp pfd	97	65	68	55	65	71	
*Certainteed Prod	58½	40½	49½	37½	42½	42½	
Charcoal Iron	55½	12½	33½	24	10	20	
Chesbro Mfg. Co.	74½	48½	78	65	77½	79½	
Clark Co. Fred	5	2½	5	2½	2½	4	
Cleve Cliff Iron	75	56	75	69½	70	75	
Columb Carbon	62½	40½	69½	55½	68½	69	4
*Com Sol B	189	80½	237	118½	222	224	
*Cont Can	93½	60	92½	70	74½	75	5
*Cont Can pfd	118	114	121	117½	120½	122½	
*Corn Prod	42½	32½	51½	35½	50½	50½	
*Corn Prod pfd	127	118½	129½	122½	128	129	7
*Davison Chem	40½	27½	46½	27½	27	27½	7
*Davison Chem. pfd	...	...	...	...	43½	43½	
Devoe & Rayn A	90½	52	103	33½	38½	39½	
*Devoe & Rayn B	...	...	105	40	103	105	
*DuPont deb	104½	90	110½	101	107½	109	6
*DuPont de Nem	271½	113½	124½	193½	168½	169	12
*Eastman Kodak	118	104½	124½	106½	123	124	
*Freeport Texas	24½	8	36	19½	32½	33	
*Gen Asphalt	70	42½	94	50	84½	84½	
*Gen Asphalt pfd	109	86½	130	94½	126	132	
*Glidden	26½	12½	25½	18	18½	19	
*Gold Dust	51	37	56½	41½	44½	45	
Grasselli	133½	125	145	120	125	130	8
Grasselli pfd	106	101½	103½	102	101	103	6
Hercules Powd. pfd	113½	104½	115	110	116	118	7
*Household Prod	47½	34½	49½	40	43½	44	
Industrial Rayon	26½	17	19½	10½	6½	7	
*Int Agr	24½	7½	26½	15½	10½	11	
*Intl Agr pfd	85	40	95	83½	63	64½	2
*Intl Nickel	48½	24½	46½	32½	37½	38	2
*Intl Salt	87½	67	84½	80	65	68	6
Mac And & Forbes	...	...	46½	40	40½	41½	
*Mathieson Alk	107½	51	106½	69½	82	82½	4
*Mathieson Alk pfd	100	97	100	100	99½	100	
Merck & Co.	...	...	...	...	66	69	
Merrimac	86	78	83	72	75	80	10
*Nat'l Dist	43½	29½	34	18	19½	19½	
*Nat'l Dist pfd	81	52½	73½	57	42	44	
*Nat'l Lead	174	138½	181	138	179	180	
*Nat'l Lead pfd	118½	114½	120	116	117	118	
N J Zinc	214½	181	214½	180	203	206	
Niag A pfd	...	...	...	...	80	85	
*Owens Bottle	60½	42½	91½	53½	77	77½	
Penn Salt	...	...	91	71	77	77	5
*Peoples Gas Chl	130	117	130	117	128½	129½	
Proc. & Cam	140	109	163	142½	150	...	
Shawinigan	175	130½	191	167½	170	...	
*Sherwin-Williams	43½	42½	108	107	106	...	
St. Jos. Lead	52½	36½	48½	37½	41	41½	2
Silica Gel	35	11½	21	11½	14	17	
Swan & Finch pf	16	16	...	...	20	80	
*Swift & Co.	120	109	116	110	117½	117½	
Tenn C & C	15½	7½	16	10½	10½	11	1
Texas Gulf & S	121½	97½	142	119½	175	175½	10
*Union Carbide	87	85	97	78	94½	95	6
*United Dye pfd	67	60	58	58	20	54	
Un Gas Imp	120½	79½	144½	84½	106½	108	
U S Gypsum	202	115	158	125	145½	147½	
U S Ind Al	97½	72½	84½	45½	78½	79	
*U S Ind Al pfd	115	102	114½	99½	109	110	7
*Va Car 6% w 1	...	...	69	31½	35	37	
Will & Baumer	...	...	...	...	16½	...	

Industrial Chemicals

MARKET ENTERING NEW YEAR IN FIRM CONDITION

Spot Movement Slackens But Prices Are Well Maintained—Ammonia Remains a Weak Spot—Domestic Barium Chloride Prices Higher—Methanol and Acetic Acid Positions Strong on Increasing Consumption—Caustic and Chlorine Steady

	Advanced		No Advance		Declined	
	Trend of the Market		Trend of the Market		Trend of the Market	
	Today	Two Weeks Ago	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial, c-l lb.	.11%	.11%	.11%	.11	.19%	
Sulfuric Acid, Tanks 66° .. ton	15.00	15.00	15.00	14.00	55.00	20.00
Amm. Sulfate c-l NY 100lbs	2.50	2.50	2.50	2.95	7.50	2.65
Bleaching Powder, c-l 100lbs	2.00	2.00	2.00	2.00	9.50	1.50
Copper Sulfate c-l NY 100lbs	4.75	4.75	4.75	4.40	20.00	4.60
Potash Caustic c-l Imp. lb	.07%	.07%	.07%	.07%	.87	.08
Soda Ash, 58 p.e. c-l 100lbs	1.94	1.94	1.94	1.94	3.50	.60
Caustic Soda, 76 p.e. c-l 100lbs	3.66	3.66	3.66	3.66	9.50	1.42
Potassium Bichromate lb.	.08%	.08%	.08%	.08	4.65	.06%
Sodium Prussiate lb.	.11	.11	.11	.10	1.25	.18
Average	3.012	3.012	3.012	2.925	10.79	2.99.

Current Quotations and Comments on Specific Items, Pages 1378-1388

Spot demand for industrial chemicals is of slight routine demand due to the approach of the holidays and the inventory period. The entire list remains exceedingly firm in all directions and practically no price changes have occurred due to competition for spot business. Contract business over 1927 however, is still causing sharp competition in some products. Ammonia makers continue to name any price that will bring the business on either anhydrous or aqua.

Caustic makers report that the closing of contracts has been very satisfactory to them. The business closed for next year shows a substantial increase over 1926, and, although the prices are slightly lower, they are entirely in line with the increased volume. Chlorine makers report a similar increase in their contract volume closed for next year, and report that no more than the usual quantity of shading prevailed.

Copper sulfate is in an easier condition following a slackening in consuming demand. Makers are fairly firm in their prices, which show no quotable variation. While there has been an easier tone to imported barium chloride domestic factors report an improved price condition. Prices are now \$1.50 @ \$2.00 ton higher than heretofore. Barium carbonate is dull but steady as to price. Ammonium chloride is moving well and prices are firm, although supplies are free.

Cold weather has brought an exceedingly heavy demand for denatured alcohol. Prices are quite firm, although during the past week

one or two factors were still shading slightly on large volume orders. Methanol is still in a very strong position and prices are very firm and supplies scant. Lacquer solvents and plasticizers are moving in steadily increasing volume, although selling competition continues to hold prices at very low levels. The heavy demand of acetates for lacquers is taxing the production capacity of acetic acid producers. Acetic acid prices are quite firm at the recent advance and stocks of acetate of lime remain small.

On the whole makers are entering the new year with excellent market conditions prevailing and there does not appear to be any condition prevailing that will upset any of the products.

Union Bleaching & Finishing Co., Greenville, S. C., will pay bonuses of 5 to 10 per cent to 300 employees, just before Christmas.

Lowry & Co. have advanced quotations on alcohol 5c gal. to 36c gal. in tank cars, and 38c gal. in drums at works.

NITRITE OF SODA LOWER

London, Dec. 22 (By Radio) — Higher quotations are announced on cresylic acid, castor oil, arsenic. Trading is quiet. The market is easier for barium chloride, linseed oil, solvent naphtha, naphthalene and rubber.

Prices are lower for nitrite of soda, bichromates for forward delivery, pitch, shellac, soya bean oil, palm oil and Chinawood oil.

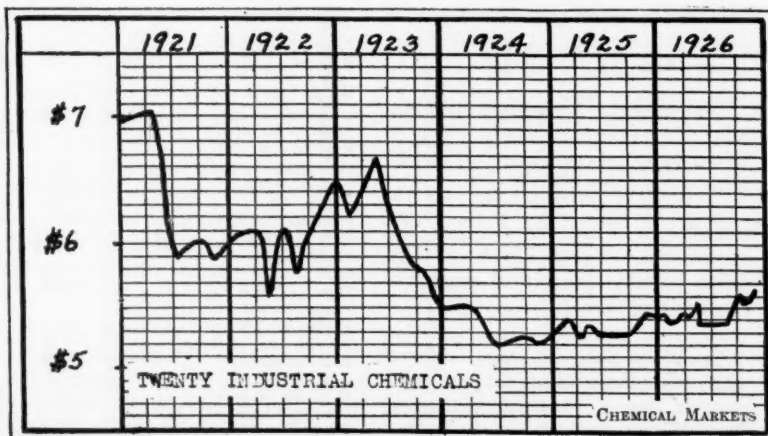
(Special to CHEMICAL MARKETS)

Hamburg, Dec. 9 — In heavy chemicals the situation has become a bit more favorable as the French competition is not so keen as it was a few weeks ago, in consequence of the bad standing of the French currency at that time. At present our prices are on a competitive basis with those of our Western neighbors. Prices for potash alum have been raised considerably. The new reduced tariff for blue vitriol for export has come into force on the German railways; this means a reduction in railway freight of about 39%.

Business of German trade (home consumption) remains unsatisfactory compared with export.

The following quotations are to be understood f. o. b. Hamburg: prices in dollars per 100 kilos, and prices in £ sterling per 1,000 kilos:

Caustic potash, \$12.75; hyposulfite of soda, commercial cryst., £6 17s 10d; carbonate of barium, \$3.10; barium chloride, \$3.45; chlorate of potash, \$11.45; yellow prussiate of potash, £64; potash alum granular in 100 kilo barrels, \$3.60; carbonate of potash, 96-98%, \$11.40.



November Dye Imports Show Decline

Synthetic Colors Amounted to 383,142 Pounds Compared With 460,351 in October and 414,755 Pounds in November a Year Ago—Imports of Aromatic Chemicals 12,680 Compared With 10,582 in October—Germany Sent 50 Per Cent of November Dyes, Switzerland 28 Per Cent—Rhodamine B Leads in Quantity Imported

November dye imports amounted to 383,142 pounds, valued at \$327,164, according to chemical divisions of Bureau of Foreign and Domestic Commerce and Tariff Commission. The report includes synthetic dyes, synthetic aromatic chemicals, medicinals, pharmaceuticals, intermediates and other coal-tar products in Paragraphs 27 and 28 of the Tariff Act of 1922. Imports through the port of New York for November, of items within Paragraphs 1, 5, 23 and 61 of the Tariff Act of 1922, consisting of synthetic organic chemicals of non-coal-tar origin, with the exception of citric, formic, oxalic and tartaric acids, figures for which appear in the Monthly Summary of Foreign Commerce of the United States.

PART I IMPORTS OF SYNTHETIC DYES

	1926		1925	
	Pounds	Inv. Value	Pounds	Inv. Value
January	190,459	\$184,018	403,984	\$359,376
February	479,027	477,255	373,259	365,269
March	487,804	435,891	527,964	488,501
April	437,526	401,606	451,005	426,141
May	392,739	343,745	370,271	347,904
June	333,319	317,896	376,668	333,654
July	351,425	303,079	420,849	400,366
August	380,414	298,159	330,674	303,612
September	387,533	322,446	298,858	285,642
October	460,351	406,167	537,312	471,466
November	383,142	327,164	414,755	295,885
Total 11 months	4,283,739	3,817,426	4,505,599	4,077,815

Imports of coal-tar dyes for the month of November, 1926, by ports are as follows:

	Pounds	Inv. Value
New York	371,165	\$ 313,964
Boston	11,867	13,008
Los Angeles	110	192
Total*	383,142	\$ 327,164

Five Leading Dyes, by Quantity, Imported During November, 1926

	Pounds
Rhodamine B (single strength)	17,750
Ciba red 3B (single strength)	15,339
Indanthrene olive R (single strength)	13,792
Ciba violet R paste	13,228
Alizarin paste	11,424

Dyes and Intermediates Remaining in Bonded Customs Warehouses

Date	Dyes and Colors Pounds	Intermediates Pounds
June 30, 1926	671,396	772,475
July 31, 1926	512,186	781,796
August 31, 1926	557,852	690,031
September 30, 1926	395,535	590,520

Country	Nov. '26	Oct. '26	Sept. '26	Aug. '26
Germany	50	48	50	47
Switzerland	28	30	30	34
France	4	6	3	2.5
England	4	5	5	0.5
Belgium	7	4	3	5.5
Canada	5	5	7	8.5
Italy	2	2	2	2
Holland	—	—	—	—

Imports of Synthetic Aromatic Chemicals Imports of Color Lakes

	Pounds	Inv. Value
January	2,773	\$2,393
February	143	—
March	58	—
April	834	—
May	3,360	3,077
June	2,720	1,598
July	2,844	1,877
August	167	—
September	3,900	2,502
October	2,059	781
November	—	—

The dyes in this report are grouped by both color index and Schultz numbers, and, in the case of those which could not be identified by either number, the classification according to the ordinary method of application was adopted.

The following abbreviations are used to designate the country
G for Germany; F for France; E for England; I for Italy; B for Belgium; C for Canada; S for Switzerland, and H for Holland.

(Continued on page 1373)

Cresylic Acid 97-99%

We are regularly importing a uniform quality of Cresylic Acid direct from one of the largest European tar distillers.

Prompt
Shipment
From Stocks
On Hand At

NEW YORK
SAN FRANCISCO
LOS ANGELES
SEATTLE



For prices, either spot
or contract, address

American
Cyanamid Co.

511 Fifth Ave.
New York, N. Y.

[Crudes & Intermediates]

NO BASIC CHANGES IN ENTIRE MARKET

Benzene Remains Weak and Prices Are Given in Spread—Toluene Sold Up to Production—Solvent Naphtha and Xylene Easy But Firm—Naphthalene Higher—Pyridine Neglected—Intermediates in Sharp Competition—Aniline Oil Prices Unsteady—Para-Toluidine Lower

	Advanced			Declined		
	Naphthalene, 1/8 lb.			No Decline		
Trend of the Market						
	Today	Two Weeks Ago	Last Month	Last Year	War Peak	Pre-War
Benzene, pure tanks wks . . . gal	.24	.24	.24	.24	1.10	.25
Naphthalene flake lb	.05	.04 1/2	.04 1/2	.05 1/2	.16	.03
Phenol Spot lb	.18	.18	.18	.22	1.50	.08
Toluene tanks wks gal	.35	.35	.35	.35		
Aniline Oil 1c-1 lb	.15	.15	.15	.16	1.40	.10 1/2
Alpha-naphthylamine lb	.35	.35	.35	.35	1.28	
Benzaldehyde lb	.70	.70	.70	.70		
Betanaphthol bbls lb	.24	.24	.24	.24	1.50	.08
Dimethylaniline c-1 lb	.32	.32	.32	.31	1.30	
Paranitroaniline bbls lb	.52	.52	.52	.53	1.58	.18
Average	3.10	3.10	3.10	0.316		

Current Quotations and Comments on Specific Items, Pages 1378-1388

Light oil distillates tendencies are without change. Benzene remains in a weak position and, although factors continue to name open quotations at unchanged figures, it is openly admitted that these prices cannot be obtained in competition and that pressure to sell in some directions has caused a spread in prices extending to 1c gal. below the quoted figures. The declining movement of gasoline with the snow and cold weather, in addition to the continued inroads being made by ethyl gasoline and other anti-knock gasolines, are causing increased difficulty in moving motor benzene at former prices. The settling of the British coal strike has greatly lessened the port outlet for benzene through which large surplus stocks have recently been moved. Toluene remains in a very firm position and all factors report a market sold up to production. Solvent naphtha and xylene are easy but prices are firm as production of these products is easily controlled in accordance with the demand.

Cresylic acid is in routine demand at unchanged prices. The position is firm and no weakening is expected to follow the settling of the British coal strike. Pyridine is entirely neglected and quotations are entirely nominal. Naphthalene is showing increased strength due to activity in closing of contracts for early Spring delivery.

The intermediate market is with-

out basic change. Prices remain in an unsettled condition and are subject to almost daily revision. Aniline oil factors still report sharp selling competition on spot sales and contracts. Para-toluidine has been reduced in price. Para-nitroaniline is quoted unchanged in all directions but makers are not certain there has been no cutting in the schedule. One consumer claims to have had a quotation of 50c lb., but manufacturers are unable to trace it to any maker. Meta-nitro-para-toluidine is quoted unchanged by makers but there is evidence that lower prices have been quoted in some instances.

Dimethylaniline is quoted unchanged although the market is strong as to price following the recent advances in methanol quotations. Ortho-toluidine is firm and unchanged in all directions.

RULES ON PHENOLIC RESIN

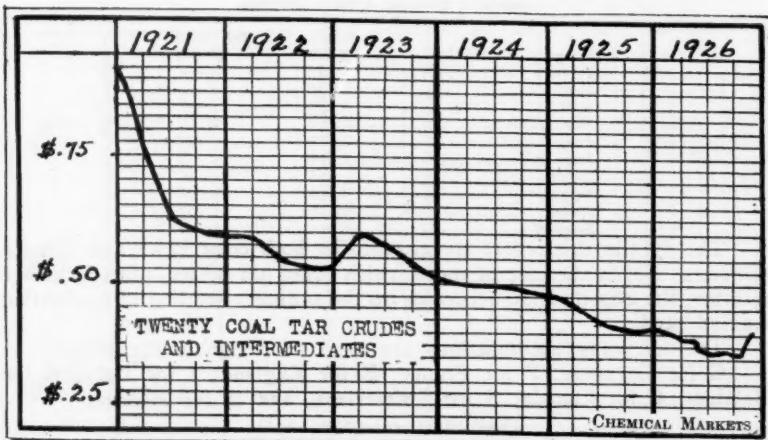
(Special to CHEMICAL MARKETS)

Washington, D. C., Dec. 21 — Secretary of the Treasury Mellon is notifying collectors throughout the country that a former Treasury decision of this department has been modified by President Coolidge in connection with the importation of synthetic phenolic resin. Secretary Mellon says:

"By direction of the President under the provisions of Section 316 of the Tariff Act of 1922, the order of exclusion from entry of April 26 is hereby modified pending final determination of this proceeding so as to exclude after Dec. 6 only products composed of different colored sections of synthetic phenolic resin of Form C (except articles made by molding synthetic phenolic resin when mixed with other material (joined together by applying a fusible phenolic condensation product to the surfaces to be joined, which fusible product has been converted to the infusible state by means of heat or heat and pressure.

"Bonds heretofore given for the release of synthetic phenolic resin and articles made thereof, should not be cancelled, but should be held pending a final determination by the President as to whether or not the temporary order of April 22, 1926, should be made permanent. You may continue to release under bond articles covered by the modified order as modified herein. Articles not covered by the modified order arriving after December 6 should be released unconditionally."

Kay Research Corp., Union Trust Building, Pittsburgh, has let the contract for its new aldehyde plant to be erected on Blauvelt Road, Nyack, N. Y., to Beers-Tapman, New York. The plant is to be one-story, 60 by 100 feet, and will cost \$50,000 including equipment.



NOV. DYE IMPORTS (Continued from page 1371)

Schultz No.	Dye and Maker	Pounds
KEY TO ABBREVIATIONS		
1. The Six Leading German Companies		
A.	Actien Gesellschaft fur Anilin Fabrikation, Berlin, Founded 1873.	
B.	Badische Anilin-und-Soda Fabrik, Ludwigshafen-on-the-Rhine. Founded 1865.	
BY.	Farbenfabriken, normals Friedr. Bayer & Co., Leverkusen on-the-Rhine, Founded 1862.	
C.	Leopold Cammella & Co., Frankfurt on-the-Main, Founded 1870.	
K.	Kalle & Co., A. G. Biebrich on-the-Rhine, Founded 1870.	
M.	Farvede, vormals Meister Lucius & Bruning, Hochst on-the-Main, Founded 1862.	
2. The Smaller German Companies		
BK.	Leipziger Anilinfabrik Beyer & Kegel, Furstenberg, near Leipzig, Founded 1882.	
OG.	Chemikalienwerk Griesheim G m. b. H., Offenbach-on-the-Main, Founded 1882.	
CJ.	Carl Jager G. m. b. H., Anilinfarbenfabrik, Dusseldorf, Founded 1823.	
Gr-E	Chemische Fabrik Griesheim-Electron, Offenbach-on-the-Main, Founded 1842.	
L.	Farbwerk Mulheim, vormals A. Leonhardt & Co., Mulheim-on-the-Main, Founded 1879.	
LM.	Chemische Fabriken vormals Weil ter Meer, Uerdingen-on-the-Rhine, Founded 1877.	
WD.	Wulffing, Dahl & Co., A. G. Barmen, Founded, 1842.	
3. Swiss Companies, all at Basel.		
DH.	Farbwerke vormals L. Durand, Huguenin & Co., Founded 1871.	
G.	Anilinfarben-und Extract-Fabriken, vormals Joh. Rud. Geigy, Founded 1764.	
I.	Gesellschaft fur Chemische Industrie, Founded 1885.	
S.	Chemische Fabrik, vormals Sandoz & Co. Founded, 1887.	
4. Dutch and French Companies.		
NF.	Niederlandische Farben-und-Chemikalienfabrik Delft, Delft, Netherlands, Founded 1897.	
CNI.	Compagnie Nationale des Matieres Colorantes et Produits Chimiques, Founded 1917.	
FA.	Farbwerk Amersfoort, Amersfoort, Netherlands, Founded, 1888.	
P.	Societe Anonyme des Matieres Colorantes et Produits Chimiques St. Denis. (formerly A. Poirier), Founded 1830.	
5. English Companies		
Bro.	Brotherton & Co., (Ltd.) City Chambers, Leeds.	
BAC.	British Alizarine Co., (Ltd.), Manchester.	
BD.	British Dyestuffs Corporation (Ltd.) London	
CI Co.	The Clayton Aniline Co., (Ltd.) Clayton, Manchester.	
Scot.	Scottish Dyes (Ltd.), Grangemouth.	
CV.	The Colne Vale Dye and Chemical Co. (Ltd.), Millsbridge, Huddersfield.	
Hol.	L. B. Holliday & Co. (Ltd.) Grangemouth	
	1.Etablissements Kuhlman merged with this company in 1923.	
137	Fast yellow extra-IG	250
137	Fast yellow S-IG	
34	Chrysoidine H. base-IG	25
182	Brilliant sulphur red 10B-S	1,000
58	Chrome orange R-DH	220
64	Sorrel red X-IG	1,000
	Rapid fast red GL paste-IG	2,000
83	Ponceau-Sieg	25
	Metachrome olive brown G-Bro	2,000
88	Acid anthracene brown R-IG	200
129	Chromazone root new conc-G	220
121	Erika B extra pdr-Q	55
122	Erika GN-IG	100
159	Acid alizarin black R-IG	500
168	Amaranth-Sieg	25
	Benzo fast rubine BI-By	200
256	Sulphon cyanine G-IG	1,000
273	Diaminogen blue NA-C	1,265
273	Diazamine blue BR-S	
	Direct fast heliotrope 2RL-By	20
	Diamine brilliant violet B-IG	100
296	Cotton yellow G extra-IG	100
	Benzo fast yellow 4 GL extra-By	11
306	Igname orange 3 G-B	750
313	Congo rubine B-IG	100
319	Chloramine red B-S	2,588
319	Chloramine red 3B-S	
319	Diamine scarlet 3B-C	
319	Universal Bordeaux C-IG	
327	Universal violet C-IG	25
	339 Diamine orange B-C	1,011

Schultz No.	Dye and Maker	Pounds
339	Diamine orange B-IG	
349	Diamine brown B-IG	300
	Polar red R S conc-G	551
358	Chloramine brilliant red BB-S	3,110
358	Chlorantine red 8 B N conc-I	
358	Tolylene red-IG	
	Acid anthracene red G-IG	100
362	Diazol fast purpurine N8B-CN	551
363	Universal scarlet C-IG	25
364	Diazo brilliant black B-IG	500
366	Deliapurpurine 5 B-Q	550
415	Universal light blue C-IG	25
	Diamine brilliant Bordeaux-R	100
449	Chlorazol brown LF-BD	2,100
449	Trialsophon brown B-S	
459	Universal dark blue C-IG	25
471	Polyphenyl blue GC-G	1,102
474	Universal dark green C-IG	25
477	Diphenyl brown GS-G	551
22	Xylene light yellow 2G-S	1,000
	Tartrazine-Sieg	50
	Kiton fast yellow 3G-I	110
	Pyrazol orange G conc-S	1,000
496	Rhoduline blue 6G-IG	820
496	Selogaucine conc-G	
503	Benzyl green B-I	
503	Acid green SGX pdr-B	562
505	Light green SF yellowish-Sieg	155
505	Light green SF yellowish-IG	
506	Erioglaucine AP-G	4,409
507	Xylene blue VS conc-S	1,000
515	Methyl violet-Q	4,031
515	Methyl violet base-IG	
515	Methyl violet N F B-IG	
516	Crystal violet-Q	910
516	Crystal violet extra-IG	
518	Ethyl violet-IG	1,000
528	Fast acid violet 10B-By	11
536	Alkali blue 3 RC conc-IG	750
536	Alkali blue bluish-IG	150
	Alkali blue 4 R-IG	
539	Opal blue bluish-IG	150
539	Water blue-IG	
541	Brilliant sky blue G-By	100
543	Patent blue V-IG	2,000
545	Brilliant acid blue A-IG	1,121
545	Kiton blue A-I	
545	Poseidon blue BXX-IG	
546	Blue FF-IG	2,018
546	Cyanol extra-C	
546	Cyanol FF-C	
546	Xylene cyanol FF extra-S	
552	Chromal blue GC-G	331
554	Chrome azurol S conc-G	551
557	Chrome violet-G	110
559	Victoria pure blue B0-IG	1,000
560	Night blue-B	300
564	Naphthalene green V-M	329
570	Rhodamine S-I	110
573	Rhodamine B extra (ss)-IG	17,750
573	Rhodamine B extra (ss)-I	
573	Rhodamine B extra (ss)-Q	
574	Rhodamine 3B extra (ss)-IG	250
571	Rosazene 6 G extra (ss)-IG	1,250
582	Fast acid violet R-IG	200
	Chromorhodine BN-D H.	441
592	Erythrosine-Sieg	55
592	Erythrosine extra-M	
	Patent phosphine GG-I	2,205
608	Patent phosphine GRNTN-IG	1,750
608	Patent phosphine RRD-IG	
617	Universal yellow C-IG	25
618	Tannoflavine T-S	
671	Induline scarlet-IG	100
672	Azo carmine GX-IG	500
680	Methylene violet 3 RA extra-IG	250
690	Diphenyl blue B-IG	200
923	Fur blue black A-IG	1,425
923	Fur brown P. NZ, NZD-IG	
923	Fur brown 4 R-IG	
923	Fur gray B-IG	
923	Fusamine G-IG	
	Chromazurine G-DH	441

(Continued on page 1375)

Consolidation of Larvex Corp. and Zonite Products Co. is announced. The following officers were elected: Ellery Mann, president; John H. Wright, vice-president; L. A. Hall, treasurer, and Raymond Daly, secretary. Colby M. Chester Jr., Raymond Daly, Murray Dodge, Leonard Kelly and Ellery Mann were elected directors.

H. G. STEPHENSON OF DU PONT CO. RETIRES

H. G. Stephenson, sales manager of dyestuffs of E. I. Du Pont De Nemours & Co. in New York, announces his retirement January 1. Mr. Stephenson joined the Du Pont organization in 1918 at the Boston office and was transferred to the position he now holds in New York in March 1919. Prior to his connection with Du Pont he was in the employ of Wm. Pickhardt & Co., the present Kuttroff, Pickhardt Co., from Sept. 1891 until Dec. 1917.

Mr. Stephenson does not anticipate making further business connections, and will leave for Miami, Fla., to take up his permanent residence shortly after the first of the year. He left the New York office yesterday for Wilmington to wind up his connections with the company.

George Gillespie, at present of the Wilmington office of the company, and formerly of the New York office will return to fill the position vacated by Mr. Stephenson.

Shipments of myrobalans from Bengal, 1925-26, were 20,609 tons, and values advanced. Firms in United States were heavy buyers, increasing their orders from 4,184 to 7,943 tons, the United Kingdom taking second place with a small advance from 5,242 to 5,868 tons. Shipments to Germany dropped from 4,885 to 2,326 tons and the Netherlands and France also took less, but there was an improvement in exports to Japan and Belgium.

Negotiations for co-operation between the German dye trust and American oil interests are progressing, it was announced at a meeting of the board of directors of the trust at Heidelberg, Germany. Details of the negotiations or the future plans of the German organization were not divulged.

Bergstrom, Stoeve & Co., Inc., Woolworth Building, New York, who represented Chemische Fabrik Rehmsdorf, A. G., manufacturers of Rehmsdorf tankage, is being liquidated and dissolved.

German chemists, representing an unidentified rayon firm, are reported to have successfully concluded experiments to produce a novel rayon fibre from Spanish esparto grass.

[Oils and Fats]

MARKET CONTINUES QUIET ON ROUTINE INTEREST

Higher Olive Foots Price Lone Advance—Chinawood Principal Decline—Linseed and Denatured Olive Easier—Tallow Down—Cottonseed and Castor Steady—Stearic Acid and Red Oil Moving Well—Animal Oils Quiet

Advanced		Declined	
Olive Oil Foots, spot, $\frac{1}{4}$ c lb.	Oil Chinawood, spot $\frac{1}{4}$ c lb.	Oil Palm Kernel, $\frac{1}{4}$ c lb.	
Oil Chinawood, tanks, Coast, $\frac{1}{4}$ c lb.	Oil Coconut, tanks, N. Y., $\frac{1}{4}$ c lb.	Oil Perilla, tanks, $\frac{1}{4}$ c lb.	
Oil Coconut, tanks, Coast, $\frac{1}{4}$ c lb.	Oil Linseed, spot 0.1c lb.	Oil Rapeseed, Jap., 2c gal.	
Oil Linseed, spot 0.1c lb.	Oil Palm Lagos & Niger, spot, $\frac{1}{4}$ c lb.	Oil Rapeseed, Eng., 4c gal.	
		Oil Rapeseed, blown, 3c gal.	
		Oil Soya Bean, tanks, Coast, $\frac{1}{4}$ c lb.	

Trend of the Market						
	Today	Two Weeks Ago	Last Month	Last Year	War Peak	Pre-War
Std Oil NY .....	.65	.65	.66	.70	1.20	.261/2
Degras American bbl .....	.04 1/4	.04 1/4	.04 1/4	.04 1/4	.23	.03 1/4
ard No. 1 .....	.73 1/4	.82 1/4	.82 1/4	.91	2.90	
Menhaden, crude tanks .....	.47 1/4	.47 1/4	.47 1/4	.55	1.20	.33
Katsfoot 20° et	1.10 1/4	1.17 1/4	1.17 1/4	1.27 1/4	8.45	.4
Red Oil distilled .....	.10	.10	.10	.11 1/4	.17	.07
Stearic Acid, T. P. .....	.15 1/4	.15 1/4	.15 1/4	.18	.38	.12
Coconut Ceylon tanks .....	.08	.08 1/2	.08 1/2	.11 1/4	.30	
Linseed crude tanks .....	.06 1/4	.06 1/4	.06 1/4	.08 1/4	.25	.0
Linseed Crude c-l bbls .....	.81 1/4	.82 1/4	.82 1/4	.91 1/4	1.85	.0
Live, denatured	1.38	1.40	1.50	1.23	4.50	1.0
Live, denatured .....	.14 1/4	.14 1/4	.14 1/4	.15	.30	.0
Soya refined .....	.12	.12 1/4	.12 1/4	.13 1/4	.19 1/4	.07
Average	4.85	4.87	4.87	4.92	5.92	7.36

Current Quotations and Comments on Specific Items, Page 1390

Declines on a thoroughly routine market were again noted in the oil market over the week. The approach of the holiday season and the consequent slackening in the inquiry comes at a time when the market is already showing signs of weakness. Slightly higher prices in spot olive oil foots was the only real advance in the entire market.

Of the declines Chinawood oil was probably the most important. There is some difference of opinion as to the extent of the decline but it was sufficient to indicate that the strong position of the oil has been broken. The decline of oil on the Coast was fully as pronounced. Manila coconut oil in tanks here and on the Coast is off a bit on the lack of interest for parcels of this size. Linseed oil although quoted on a level only fractionally lower than last week is obtainable on an actual bid at several points under the quoted market. Consuming interest in linseed is limited and the market presents an easy tone. Spot denatured olive oil is now in good supply and while most sellers quote on a par with previous quotations in some quarters it is possible to shade these figures. Neatsfoot has shown no signs of recovering from the sharp cut of 2c lb. made in 20° and C. P. grades made two weeks ago. On a generally soft and easy position all grades of rapeseed oil are lower on spot and for futures. This is also true

of perilla and to a certain extent of soya bean oil.

Among the oils which have maintained their position in the face of the weak market are cottonseed, castor red, lard oil and stearic acid. Cottonseed oil is quiet and steady while the others are all in some demand and sellers are placing parcels at the quoted levels. Producers of stearic acid and red oil state that the movement is very good.

The advance in olive oil foots is in line with the position indicated for some weeks past by the trend of the market. Replacements are scarce and high, and with the limited stocks here in some demand, prices are expected to hold their present level for the present at least.

SELL PRODUCE EXCHANGE

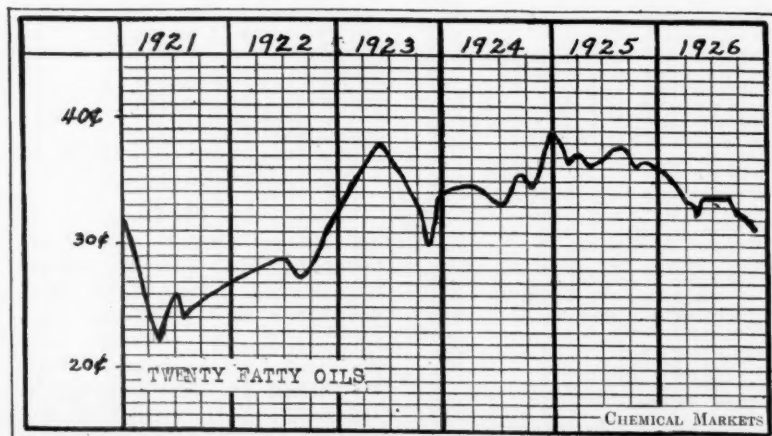
Sale of the New York Produce Exchange property, fronting on Broadway, Beaver and Stone sts., under a plan and at a price providing for adequate financing of the exchange's requirements thereafter, has been approved by majority of all members having the voting privilege. Replies to the board of managers' referendum questionnaire have been received from 656 out of a voting membership slightly over 1,100 members. There were 600 affirmative and 50 negative votes. One offer of \$11,000,000 has been received.

The "Linseed King," a launch owned by Spencer Kellogg & Sons, New York, foundered and sank in the Hudson River early last Monday morning, causing the loss of approximately 30 lives. The "Linseed King," used as a private ferry, was en route from New York to the Spencer Kellogg plant at Edgewater, N. J., with a boat load of employees and stevedores who were seeking employment on a freighter which was discharging at the Kellogg wharf. Various reasons were advanced as the cause of the catastrophe, but John Rowheder, captain of the launch, states that the heavy ice floes on the river stove in the sides of the boat.

Herbert G. Sidebottom, who left Newark Varnish Works, some time ago, is now with Sun Oil Co., as sales engineer, with headquarters in Philadelphia.

U. S. Fertilizer Chemical Co. is named as debtor in a judgment for \$269 filed in New York County by Bemis Bros. Mfg. Co.

Will and Baumer Candle Co. has declared quarterly dividend of \$2 on preferred, payable Jan. 3 to stock of record Dec. 15.



NOV. DYE IMPORTS (Continued from page 1373)

Schultz No.	Dye and Maker	Pounds
625	Modern Heliotrope DH-DH	551
635	Blue 1900 TCD-DH	220
660	Methylene green G extra conc.-S	3,205
660	Methylene green W-G	
748	Hydron blue G pdr (ss)-IG	1,667
778	Alizarin red paste-G	11,424
778	Alizarin red VI extra paste-IG	
779	Alizarin orange A paste-IG	1,486
779	Alizarin orange AO paste-BD	
780	Alizarin red S pdr-By	1,451
780	Alizarin red IWS-M	
784	Alizarin red SX paste-IG	838
	Alizarin blue WS-By	
	Alizarin sapphire blue SE-I	1,899
784	Alizarin saphinol WSA pdr-By	
	Alizarin cyclamine R-IG	3,881
808	Alizarin green S paste-IG	882
852	Alizarin blue JR pdr-By	220
856	Alizarin astrol B pdr-IG	954
856	Alizarin blue AS pdr-By	
860	Alizarin direct blue BGA00-IG	750
862	Alizarin blue black B pdr-IG	300
855	Alizarin rubinol 5 B pdr-IG	3,533
	Alizarin rubinol 5 G-IG	1,050
	Alizarin rubine R-By	
	Alizarin rubine B-K	
759	Anthra yellow GC pdr (ss)-B	3,104
759	Vat yellow GC pdr (ss)-B	
760	Vat golden orange G dbl paste (ss)-B	2,200
761	Vat orange RRT paste-IG	4,778
763	Vat dark blue BDA pdr (ss)-IG	400
765	Vat black BB pdr (ss)-IG	1,429
767	Cibacene violet R pdr-I	2,056
767	Vat brilliant violet RR dbl paste (ss)-B	
842	Indanthrene blue GCD dbl paste (ss)-B	2,156
	Vat blue BCD paste fine-B	3,319
	Vat blue BCS pdr (ss)-B	
843	Cibacene blue G pdr-I	441
849	Vat yellow G dbl paste (ss)-IG	5,760
	Vat yellow G pdr (ss)-B	
820	Vat brilliant violet RR paste-IG	794
824	Vat orange 6 RTK pdr (ss)-IG	800
873	Vat brown GR paste-IG	2,500
833	Grelanone olive R pdr (ss)-Gr.E	13,792
	Vat olive B pdr (ss)-Gr.E	13,792
833	Vat olive R paste-IG	
833	Vat olive R pdr (ss)-IG	
	Vat brown R paste-IG	8,117
	Vat brown R pdr (ss)-By	
	Vat brown G paste-IG	6,544
	Vat brown G pdr (ss)-IG	
	Vat brown G pdr (ss)-By	
825	Alzol red B paste-IG	397
831	Vat red RK paste fine-IG	1,200
831	Vat red RK pdr (ss)-IG	
832	Vat violet BN pdr (ss)-B	840
869	Vat brown R paste-By	425
793	Cibacene blue 3G paste-I	2,204
	Cibacene green G paste-I	441
883	Indigo MLB/6B pdr. (ss)-IG	2,500
884	Brilliant indigo BB pdr (ss)-IC	500
885	Brilliant indigo B paste-IG	2,543
910	Thioindigo rose BN pdr. (ss)-K	880
918	Ciba red 3 B paste-I	15,339
918	Vat red 3 B paste-Q	
918	Vat red violet RH paste-IG	
918	Vat red violet RH pdr (ss)-IG	
913	Hydron orange RF paste-IG	1,000
901	Ciba violet R paste-I	13,228
904	Helindone brown G pdr-IG	700
907	Anthra scarlet 2G paste-IG	9,409
907	Ciba scarlet 2G paste-I	
907	Thioindigo scarlet 2G paste-IG	

UNIDENTIFIED DYES

Dye and Maker	Pounds
Acid brown RN-G	110
Acid pure blue R supra-G	1,102
Acid rhodamine BG-IG	1,000
Acid violet CBB-IG	100
Alizarin supra blue A pdr-IG	4,000
Alizarin supra blue SES pdr-IG	100
Alkali fast green 10 G-IG	783
Brilliant acid blue FF-By	551
Brilliant milling blue B-IG	1,000
Brilliant silk blue B-I	220
Brilliant wool blue FFR extra-IG	1,250
Cloth brown 5 R-I	220
Cloth fast orange G-I	440
Cloth fast red 3 B-I	661
Erio fast yellow AE-G	55
Fast acid green BB extra-IG	800
Guinea fast green B-IG	500

Dye and Maker	Pounds
Indocyanine B-A	2,665
Ink fast black A extra-IG	25
Kiton fast red BL-I	220
Milling orange G-IG	200
Milling red 6 BA-IG	200
Milling red NJ-CN	661
Neolan blue BR-I	441
Neolan blue GR-I	441
Neolan green LBN conc-I	110
Neolan pink G-I	110
Neotolyl black TL extra-IG	200
Onis B-IG	200
Onis 3 B-IG	200
Pilatus fast pink B-IG	300
Polar red B conc.-G	551
Silk yellow R-IG	600
Sulphon orange G-IG	500
Supramine Bordeaux B-IG	100
Tropaeolin RNP-IG	100
Wool blue 5 B-IG	100
Wool fast orange G-By	441
Wool violet RC-G	220
Xylene brilliant blue FFRX conc.-S	100
Xylene fast blue FF conc.-S	1,000

Vat Dyes

Alizarin indigo 5R paste-IG	800
Anthra pink B extra pdr-B	600
Ciba scarlet GL-I	88
Grelanone red 3 BR pdr (ss)-Gr.E	1,496
Helindone khaki IGG paste-M	900
Helindone khaki IGG pdr. (ss)-M	
Helindone printing black RD paste-IG	9,500
Hydron brown G paste-C	367
Hydron brown R paste-IG	1,985
Hydron navy blue C paste-IG	300
Hydron olive BN paste-IG	8
Hydron pink FF paste-IG	1,000
Hydron yellow GG pdr (ss)-IG	1,000
Vat blue R S N powder-IG	100
Vat blue RZ dbl. paste (ss)-IG	1,006
Vat brilliant blue 3 G pdr. (ss)-IG	800
Vat green GG dbl. paste (ss)-IG	974
Vat orange 4 R pdr (ss)-IG	1,000
Vat pink B dbl paste (ss)-B	3,190
Vat pink B pdr (ss)-B	
Vat printing brown R paste-IG	2,151
Vat printing red G paste-IG	500
Vat yellow 3 RT dbl paste (ss)-IG	1,000
Vat yellow brown 3 G paste-IG	800
Wool vat brown 3 R paste-IG	100

Mordant and Chrome Dyes

Acid alizarin gray G-M	462
Acid anthracene brown PG pdr.-By	550
Anthracene chromate brown EB-IG	500
Brilliant chrome printing red B-G	55
Brilliant chrome violet 3 RA-DH	331
Chromazarine DN-DH	220
Chromoverdine RA-DH	110
Chromoxane pure blue B-IG	400
Colonial blue R-DH	110
Eriochrome blue S-G	551
Eriochrome brilliant green G supra-G	110
Metachrome blue black 2 BX-IG	1,551
Metachrome blue black 2 BX-A	
Metachrome brilliant blue BL-IG	100
Metachrome olive 2 G-IG	1,000
Metachrome red G-IG	700
Modern blue CVI-DH	220
Modern olive JN-DH	110
Omega chrome brown EB-S	300
Radio chrome blue B-IG	500

Direct Dyes

Benzo dark brown extra-By	1,091
Benzo fast black L-IG	100
Benzo fast brown 3 GK-IG	900
Benzo fast eosine BL-IG	100
Benzo fast heliotrope 4 BL-By	110
Benzo fast heliotrope 5 RH-IG	100
Benzo fast orange 2 RL-IG	450
Benzo light scarlet 5 B pdr-By	110
Benzo rhoduline red B, 3B-IG	450
Benzoform brown 4 R-IG	25
Brilliant benzo fast yellow GL-IG	200
Brilliant congo blue 5 R-A	100
Brilliant congo violet R-IG	500
Brilliant diazol orange NJN-CN	881
Brilliant diazol orange NRN-CN	110
Brilliant fast blue 3 BX-IG	400
Brilliant sky blue 3 G-By	1,102
Brilliant sky blue R-IG	1,500
Brilliant triazol fast violet BL pdr.-A	112
Chicago red III-G	2,205
Chloramine fast orange R conc.-S	700
Chloramine light gray B conc.-S	500
Chloramine light gray R conc.-S	600
Chloramine violet FFB-IG	300
Chlorantine fast blue 2 GL-I	2,204
Chlorantine fast Bordeaux 2 BL-I	2,204

Dye and Maker	Pounds
Chlorantine fast brown BRL-I	1,323
Chlorantine fast brown 5GL-IG	2,204
Chlorantine fast brown 3RL-I	2,204
Chlorantine fast violet 5 BL-I	2,645
Chlorantine fast violet RL-I	4,629
Chlorantine fast yellow RL-I	1,102
Chlorazol fast orange AG-BD	1,000
Cotton black AC-IG	200
Developed blue 3 GL-Q	440
Developing blue R-IG	300
Diamine azo green 3 G-C	495
Diamine brilliant scarlet S-C	452
Diamine catechine B-IG	200
Diamine fast brown GB-IG	500
Diamine fast brown R-IG	50
Diamine fast orange EG-IG	1,000
Diamine fast orange EH-IG	1,000
Diaminogene blue GG-C	2,902
Diazo black VG-I	220
Diazo brilliant green 3 G pdr.-By	2,093
Diazo brilliant green 6 G-By	1,102
Diazo brilliant scarlet 2 BL extra pdr.-By	440
Diazo brown 3 R-IG	200
Diazo fast blue 6 GW-I	661
Diazo fast violet BL-IG	940
Diazo geranine B extra-By	480
Diazo indigo blue 4 GL extra-IG	500
Diazo rubine B-IG	400
Diazo sky blue B-By	3,202
Diazophenyl black V-G	2,205
Diphenyl fast Bordeaux G conc.-G	110
Diphenyl fast brown GNC-G	2,205
Direct brilliant yellow KG-I	110
Direct cutch brown GR-I	551
Direct light blue 8 G-By	110
Direct safranin RW-I	110
Fast cotton gray VI-IG	500
Formal fast black G conc.-G	220
Half wool blue 3 R-IG	2,047
Minaxo light pink BX, BBX-IG	400
Paper red A extra-IG	500
Plutoform black BL-IG	100
Rosanthrene orange R-I	661
Universal blue C-IG	25
Universal brown C-IG	25
Universal gray C-IG	25
Universal green C-IG	25
Universal heliotrope C-IG	25
Universal jet black C-IG	25
Universal leather brown C-IG	25
Zambesi black D-IG	1,000
Zambesi black V-IG	500

Dyes for Artificial Silk

Blue extra paste-IG	100
Cibacete scarlet G paste-I	220
Dispersol yellow 3 G paste-BD	106
Duranol black paste-BD	474
Duranol blue G paste-BD	168
Duranol orange G paste-BD	50
Duranol red BB paste-BD	106
Duranol violet 2 R paste-BD	156
Ionamine A-BD	100

Dyes for Artificial Silk

Ienamine red KA-BD	100
Setacyl direct blue G pdr.-G	2,116
Setacyl direct blue R pdr.-G	2,204
Setacyl direct orange 2 R pdr.-G	727
Setacyl direct red B pdr.-G	551
Setacyl direct yellow R pdr.-G	1,763
Yellow R-IG	50

Basic Dyes

Acridine scarlet J-DH	165
Brilliant acridine orange 3 R-DH	220
Rhodamine 6 GDN extra-IG	5,000

Sulphur Dyes

Immedial brown W conc.-IG	500
Indo carbon SN-IG	1,500
Pyrogene green OK-I	1,323
Thiogene new blue BL conc.-M	550
Thional brilliant green GG conc.-S	275
Thional green B-BD	6,256
Thional green 2 G-BD	2,240
Thional yellow GR-BD	1,947

Color-Lake Dyes

Hansa yellow GSA pdr-IG	2,000
Helio Bordeaux BL pdr-IG	835
Helio fast carmine CL-IG	100
Helio fast rubine LBK pdr-IG	400
Helio red R M T extra pdr-IG	1,061
Stone rubine G pdr-IG	100

Unclassified Dyes

Grasol blue E-G	22
Grasol red G-G	22
Grasol scarlet G-G	22
Luxine violet 5 RN-DH	11
Navy blue KWSR-IG	250
Purple DH-DH	11
Whitex washing blue-Eze Mfg	6,800
All other-Q	3

[Industrial Raw Materials]

JAPAN AND CARNAUBA WAXES AGAIN SHOW STRENGTH

Replacements on Both Very Scarce and Higher—Spot Sales Limited Because of Scarcity—Beeswax Fractionally Lower—Movement in Rosins and Turpentine Limited—Wattle Bark Sharply Higher for Shipment—Other Tanning Materials Quiet

Advanced
Carnauba Wax, No. 1 yellow, 5c lb.
Casein, ship., 1/4c lb.
Japan Wax, spot, 1c lb.
Wattle Bark, ship., \$5.00 ton
Myrobalans, J2, R2, \$2.00 ton
Rosin, M, N, WG, 15c 280 lbs.
Rosin, WW, 25c 280 lbs.

Declined
Beeswax, white, 2 1/2c lb.
Beeswax, yellow, 1/2c lb.
Cutch, Bangoon, 1c lb.
Damar, Bat., stand, 1 1/2c lb.
Rosin B, D, E, F, G, H, I, 5c 280 lbs.
Rosin K 10c 280 lbs.
Turpentine 1/2c gal.

Current Quotations and Comments on Specific Items, Pages 1392-1394

Strength in Japan and carnauba waxes was again the outstanding movement in this group this week. There was no actual advance recorded in Japan wax, but the position was fully as strong as it has been for the past month. Replacements are offered in limited quantities and dealers here are finding difficulty to care for the buyers' requirements. Carnauba is again higher than previously reported for the higher grades and it is now a question of how much is obtainable rather than the price. The lower grades of carnauba are in good supply and are unchanged as to price. On the other hand beeswax was quoted a fraction lower last week on a fair inquiry.

Another movement of interest

was the sharp advance in the shipment price of wattle bark. Interest is not great in spot or nearby parcels, but this advance in futures is causing interest in this position. Other tanning materials are not particularly active now that the inventory season is almost at hand. Movement in rosins has been limited with slight concessions in the lower grades and advances in the fine grades. The fine grades are strong, but the inquiry for the lower grades is slight. Turpentine likewise has shown little change over the week, being quoted at figures a shade lower than the previous week's level. Varnish gums are fairly active with the policy of the buyers to take only what they need in small quantities still

in effect. Gum importers are carrying limited stocks and the market is steady except in the case of standard Batavia damar, which is lower on reduced replacement costs.

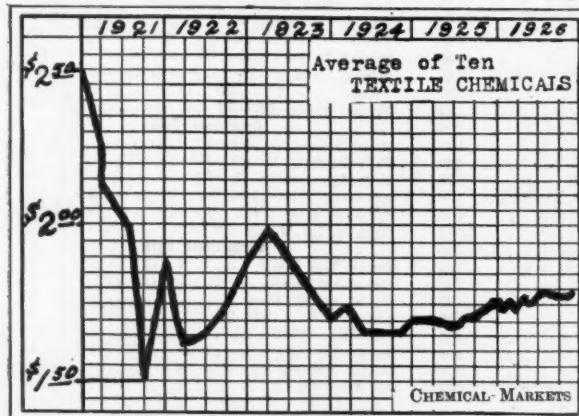
(Special to CHEMICAL MARKETS)

Savannah, Ga., Dec. 20—The turpentine market closed on Saturday with sales of 300 bbls. at 81 1/4c @ 81 1/2c gal. There is a good demand at the moment which is credited to exporters, who have space on vessels now in port. The demand is not general, however, at the moment, and it is expected to be easier during the Christmas holidays, unless an urgent demand sets in. Receipts of turpentine and rosin after the first of the year will be practically nominal. Receipts of turpentine last week were 3,649 bbls.; sales reported 1,537; shipments, 3,590 bbls.; Savannah stocks, 23,711 bbls.

The rosin market closed steady and firm with no sales reported for the day. The carry over was 1,560 bbls. While the rosin market has been active this week and shown good sales, they have had a tendency to decline on I grade and below. While there have been buyers for fine grades, supplies have continued very scarce. It is understood that sales of fine grades have been made at levels above the open quotations. A big recovery in the darker grades is looked for after the holiday. In the meanwhile further declines are expected.

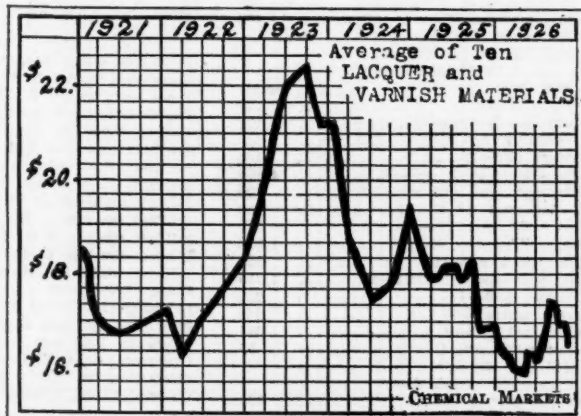
Textile Chemicals

	Today	Two Weeks Ago	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28% ...	3.38	3.38	3.24	3.12	17.00	1.50
Acid Oxalic .....	.10%	.11	.11	.10%	.70	.70 1/2
Reaching Powder	2.00	2.00	2.00	2.00	9.50	1.50
Upper Sul c-1 ..100lbs	4.75	4.75	4.75	4.40	20.00	4.60
Epsom Salt, USP	2.15	2.15	2.15	2.15	4.25	1.50
Glauber's Salt	1.05	1.05	1.05	1.25	20.00	4.60
Potash, Caustic Imp ..	.07 1/2	.07 1/2	.07 1/2	.07 1/2	.87	.12
Soda Ash, 58% wks ...	1.38	1.38	1.38	1.38	1.10	.69
Soda Caustic, 76% wks	3.00	3.10	3.10	3.10	9.50	1.80
Sodium Bichromate ....	.06 1/4	.06 1/4	.06	.06 1/4	.45	.04 1/4
Average	1.784	1.784	1.770	1.749	4.8008	1.25



Lacquers and Varnishes

	Today	Two Weeks Ago	Last Month	Last Year	War Peak	Pre-War
Acetone c-1 drs wks 10lb	1.20	1.20	1.20	1.20	5.50	1.05
Butyl Al cl drs wks 10lb	1.90	1.93	1.93	2.00		
China Oil bbls NY 10lb	1.50	1.52	1.52	1.35	2.00	.68
Copal Congo, Amber 10lb	1.00	1.00	1.00	1.00	1.90	1.80
Fusel Oil	1.30	1.30	1.30	1.80	4.00	2.50
Benz 90% tics wks 10gal	2.40	2.40	2.40	2.40	8.00	2.50
Linseed Oil c-1 bbls gal.	.82 1/2	.82 1/2	.81	.96 1/2	1.88	.58
Rosin F grade NY 28lb	1.26	1.32	1.33	1.50	1.70	.45
Soluble Cotton ....10lb	4.00	4.00	4.00	4.00		
Turp c-1 dock .....	.88	.88	.88 1/2	1.03 1/2	.70	.49
Average	1.631	1.640	1.641	1.721		



[Agricultural Chemicals]

FERTILIZER MARKET CONTINUES QUIET AND EASY

Blood and Tankage Routine in All Quarters—Spot Blood Higher on Scarcity of Stocks—Sulfate of Ammonia Unchanged—Nitrate of Soda Routine—Bone Meal Moving Fairly Well—Lead Arsenate Subject to Shading—Insecticides Still Move Well

Advanced
No Advance

Declined
Lead Arsenate, $\frac{3}{4}$ c lb.

Current Quotations and Comments on Specific Items, Pages 1378-1394

With the fertilizer mixers apparently still reluctant to purchase more than their immediate requirements the position of the fertilizer market over last week has shown little change. The holiday season will have little effect on the market position this year, for the interest for some months past has been routine at best.

Sales of imported bone meal were made early last week at prices in line with the general quotations. In spite of the thoroughly routine inquiry for dried blood sellers advanced the New York price 5c 100 lbs. owing to a very limited supply. The Chicago and South American markets for blood have shown no change. South American tankage took rather a sharp drop on c.i.f. quotations from there. The decline has not stimulated buying interest

and the market is none too steady at the new level. Tankage at New York and Chicago is quiet and unchanged. Sulfate of ammonia is moving a bit in second hands and makers have not advanced their original schedule price in spite of reports of higher prices. Sales of nitrate of soda continue to fall behind those of last year and importers seem more reluctant than ever to bring in further quantities unsold. The market is not unsteady at the December schedule as the stocks here are limited and parcels coming in now have been sold before their arrival. With the season for fish scrap practically closed the market is quoted nominally. Offerings of imported scrap were heard on this market at levels somewhat above the prevailing market for the domestic.

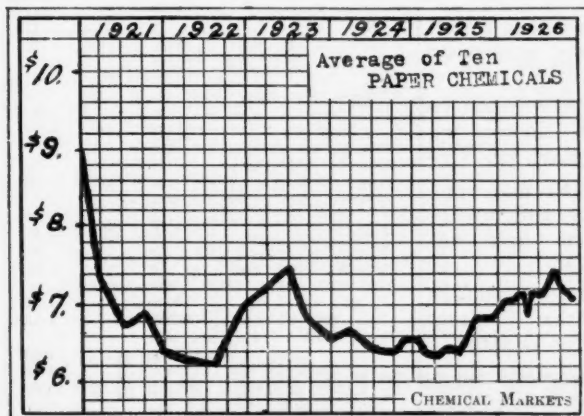
Insecticides are still in good demand for delivery during next season. In one quarter it is reported that concessions are being made by some of the makers in lead arsenate both on contract and for immediate delivery, although there is very little of the latter trade being done. Otherwise all insecticides are firm.

Stanley Hiller Co., Inc., Oakland, Cal., specializing in the manufacture of equipment for the reduction of waste materials has filed suit for an injunction against the California Fish and Game Commission to prevent the commission from interfering in any way with the operation of its vessel, the Lake Miraflores, which has been outfitted at a cost of \$300,000 to convert fish into fertilizer and oil. There is a State law limiting the use of fish for purposes other than human consumption, but Stanley Hiller Co. contends that the commission has no jurisdiction over its enterprise, since it operates outside the three-mile limit.

Freight and other transportation costs constitute about 25 per cent of the cost of a ton of fertilizer to Southern farmers, declared D. A. Dashiell, of Norfolk, chairman of traffic committee National Fertilizer Association, in a report to the Southern convention at Atlanta.

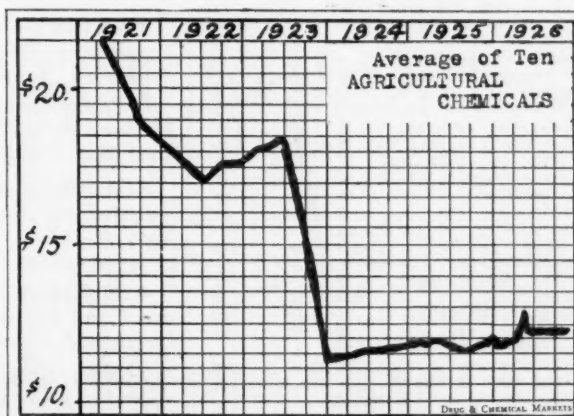
Paper Chemicals

	Today	Two Weeks Ago	Last Month	Last Year	War Peak	Pre-War
Aluminum Sulfate	1.90	1.90	1.90	2.00	5.00	1.50
Bleaching Powder	2.00	2.00	2.00	2.00	9.50	1.50
Caecin	15 $\frac{1}{2}$	.15	.15	.12 $\frac{1}{2}$	.28	.20
China Clay, Dom	10.00	10.00	10.00	10.00	25.00	8.00
Chlorine c-l Cyl .....	.05 $\frac{1}{2}$	.05 $\frac{1}{2}$	.05 $\frac{1}{2}$	.05 $\frac{1}{2}$	.50	.08
Salt Cake	19.00	19.00	19.00	19.00	80.00	11.00
Sodium Silicate 40° ..	.75	.75	.75	.80	1.75	2.00
Soda Ash, 58% wks ..	1.38	1.38	1.38	1.38	4.10	.69
Sulfur	22.50	22.50	22.50	20.00	65.00	20.00
Sulfur F grade	12.70	13.35	13.60	14.00	4.50	20.2
Average	7.950	7.115	7.140	6.876	13.50	5.5



Agricultural Chemicals

	Today	Two Weeks Ago	Last Month	Last Year	War Peak	Pre-War
Acid Sulfuric 66° ton	\$15.00	\$15.00	\$15.00	\$14.00	\$55.00	\$20.00
Am. Sulfate ..100lbs	2.50	2.50	2.50	2.95	1.75	2.65
Arsenic	3.50	3.50	3.50	3.00	18.00	4.00
Copper Sul c-l ..100lbs	4.75	4.75	4.75	4.45	20.00	4.60
Paris Green .....	.19	.19	.19	.19	.50	.11
Potash Murate 80% ton	36.40	36.00	34.60	34.90		
Potash Sulfate 90% ton	47.30	46.85	45.85	45.85	440.00	48.07
Phosphate Acid, 16% ton	10.00	10.00	10.00	10.00	11.00	3.00
Phosphate Rock 68% ..	3.00	3.00	3.00	2.75	2.65	3.00
Sodium Nitrate ..100lbs.	2.60	2.54	2.46	2.65	5.00	1.90
Average	12.524	12.433	12.143	11.785	103.50	13.84



Prices Current

Chemical prices quoted herein are those of American manufacturers for goods, spot New York, f. o. b., or ex-store, for immediate shipment, unless otherwise specified. Industrial chemical products sold principally on a basis of f. o. b. works are specified as such. Quotations on imported chemicals are so designated. Resale stocks sufficient to be a factor in the market, are quoted in addition to makers' prices and are indicated as "second hands."

Oils and fats are quoted spot New York, or ex-dock.

Heavy Chemicals, Coal-tar Products, Dye-and-tan-stuffs, Colors and Pigments, Fillers and Sizes, Fertilizer and Insecticide Materials, Naval Stores, Fatty Oils, etc.

Quotations on products sold f. o. b. mills, or spot Pacific Coast are so designated.

Industrial raw materials are quoted spot New York, f. o. b., or ex-dock. Materials sold f. o. b. works or delivered at various sections of the country are so designated.

The range of prices given is not "bid and asked," but indicates quotations from different sellers, based on varying grades or quantities or both. Containers named are the original packages most commonly used in the New York market.

Acetaldehyde		Acid Hydrocyanic	
Acetaldehyde drs, or cyl. c-l wks lb	.. .	.22	
le-l wks	.. .	.24	.26
ACETANILID, tech 150 lb bbls lb	.. .	.20	.21
100 lb kegs	.. .	.22	.23
Acetic, Anhydride			
85% 107 lb clys	.. .	.27	.30
92-95% 100 lb clys	.. .	.29	.35
Acetic Ether, see Ethyl Acetate			
Acetine, 50 gal drums	.. .	.37	.40
Acetone, CP, 700 lb drs c-l wks lb	.. .	.12	
Tank cars, wks	.. .	.12	
700 lb drs, le-l wks	.. .	.13	.13 1/2
350 lb drs le-l wks	.. .	.14	
Acetone Oil light drs wks gal	.. .	1.65	1.75
Heavy, drs wks	.. .	1.65	1.75
Acetyl Chloride 100 lb clys	.. .	.42	.45
Acetylenetetrabromide	.. .	1.50	
Acetylenetetrachloride Drums wks lb	.. .	.10 1/2	.11
ACID, 1, 2, 4, 250 lb bbls	.. .	1.25	
Acetic, 28% 400 lb bbls c-l			
wks	.. .	3.38	
28% le-l wks	.. .	3.63	
c-l wks	.. .	6.34	
56% le-l wks	.. .	6.59	
70% bbls c-l wks	.. .	7.82	
70% le-l wks	.. .	8.07	
80% com'l bbls c-l wks 100 lb	.. .	8.77	
80% com'l le-l wks	.. .	9.02	
80% pure bbls c-l wks 100 lb	.. .	9.75	
80% pure le-l wks	.. .	10.00	
Glacial bbls c-l wks	.. .	11.92	
Glacial, le-l wks	.. .	12.17	
Glacial, USP, cly wks	.. .	12.65	
Anthranilic, tech., drs	.. .	.80	
99-100% 100 lb drs	.. .	.98	1.00
Benzoic, tech., 100 lb bbls lb	.. .	.58	.60
ton, lots bbls	.. .	.57	
Boric crys., powd., 250 lb bbls lb	.. .	.08 1/2	
Kegs 100 lb	.. .	.09	.09 1/2
Butyric, 60% pure 5 lb bot	.. .	.55	.60
90%	.. .	.70	.75
Carbolic, crys., see Phenol			
Crude 35% 50 gal bbls gal	.. .	.31	.33
10% 50 gal bbls	.. .	.25	.28
Carbonic, see Carbon Dioxide			
Chloroacetic			
Mono 100 lb bbls wks	.. .	.25	
Di, 150 lb clys wks	.. .	1.00	
Tri, 5 lb bot	.. .	2.50	
Chlorosulfonic, 1500 lb drs			
wks	.. .	.15	.16
Chromic			
98% pure 400 lb drums	.. .	.37	.40
Chromotropic, 300 lb bbls	.. .	1.00	1.06
Citric, USP, cryst 230 lb bbls lb	.. .	.44 1/2	.45
Powd., USP, 200 lb bbls lb	.. .	.45 1/2	.46
Imported, crys., 112 lb kegs lb	.. .	.44 1/2	.45
Single kegs	.. .	.47	
Cleve's 250 lb bbls	.. .	.95	.97
Cresylic, 95% dark drs NY gal	.. .	.57	.60
97-99% pale NY	.. .	.60	.65
Formic, 85% tech., 140 clys lb	.. .	.10	.10 1/2
90% 90 lb clys incl	.. .	.10 1/2	.11
Gallie, Tech.,	.. .	.50	.55
Gamma, 225 lb bbls wks	.. .	1.00	1.06
H 225 lb bbls wks	.. .	.57	.63
Hydrobromic, 48% com'l 155 lb			
clys wks	.. .	.45	.48
48% com'l 10 clys wks	.. .	.. .	.45
Hydrochloric, see also Acid Muriatic			
Hydrocyanic, wks cyl	.. .	.80	.90
HYDROFLUORIC, 30% 400 lb			
bbls wks	.. .	.. .	.66

Chemicals

Acetone—Market is firm under demand equal to production.

Acetic Anhydride — Some unsettlement has been present in this market, but thus far open quotations are unchanged.

Acid Acetic — Market is very strong at recent advance and makers are reporting a demand that is taxing production capacity.

Acid Cresylic—No new developments are reported following the settling of the British coal strike. As no real advances came with the strike, it is anticipated that no reduction will be made now that the strike is settled.

Acid Formic—Market is steady and prices are firm under a normal routine demand.

Acid Gamma—Quotations remain without change, although selling pressure remains high.

Acid N & W—Open quotations are given by leading factors at unchanged figures of 95c@99c lb, but rumors are heard of as low as 85c lb having been done in some instances.

Acid Muriatic—An excellent demand is reported by factors who quote firm unchanged prices.

Acid Nitric—Market is in a firm condition under a good consuming demand.

Acid Oxalic—Market continues to ease off, but spot deliveries are somewhat hard to obtain.

Acid Phosphoric—Normal routine demand continues and makers and importers name firm unchanged prices.

Acid Sulfuric—Firm conditions are found in this market. Contract business for next year is large.

Alcohol Butyl—Due to a typographical error in the issue of Dec. 9, the December quotations for this material were given per gallon in-

Acid Hydrofluoric Acid Sulfuric

ACID, HYDROFLUORIC (Cont'd)			
30% 100 lb clys wks	.. .	.08	
48% single 100 lb clys wks lb	.. .	.10	
52% 100 lb clys, wks	.. .	.12	
52% 100 lb clys wks	.. .	.11	
60% 100 lb cly wks	.. .	.14	
60% 300 lb dr wks	.. .	.13	
White Acid, 100 lb cly wks lb	.. .	.26	
White Acid, 10 clys wks lb	.. .	.25	
Hydrofluosilicic, 35% 450 lb bbls	.. .	.11	
wks	.. .	3.00	
J kegs wks	.. .	.06 1/2	.06
LACTIC, 22% dark 500 lb bbls lb	.. .	.06 1/2	.07
22% light bbls	.. .	.11	.12
44% dark bbls	.. .	.13	.13 1/2
44% light bbls	.. .	.13	.13 1/2
66% dark, bbls	.. .	.26	.27
66% light bbls	.. .	.52	.54
Laurent's 250 lb bbls	.. .	.60	.65
Metanilic, 250 lb bbls	.. .	.07 1/2	.08
Mixed, Sulfuric-nitric			
Drums, wks	.. .	.01	.01 1/2
Drums, wks	.. .	.06	.06 1/2
Tank cars, wks	.. .	.008	.01
Tank cars wks	.. .	1.25	1.30
Molybde 85% pure 100 lb kegs lb	.. .	.. .	1.65
Monosulfonic F Delta 50 lb tins lb	.. .	1.70	1.80
MURIATIC, 20° clys le-l			
wks	.. .	1.45	
clys c-l wks	.. .	1.05	
Tank cars wks	.. .	1.35	
180 120 lb clys	.. .	.95	
c-l wks	.. .	.53	.59
Tank cars, wks	.. .	.93	.99
Nettle & Winther's 250 lb			
bbls	.. .	5.25	
NITRIC 36° 135 lb			
Clys le-l wks	.. .	5.00	
Clys c-l wks	.. .	5.75	
38° le-l wks	.. .	6.25	
40° le-l wks	.. .	6.00	
Clys c-l wks	.. .	6.75	
42° le-l clys wks	.. .	6.50	
Clys c-l wks	.. .	.12	.13
CP, clys single wks	.. .	.11	.11 1/2
Oxalic, 300 lb bbls wks	.. .	.11	.11 1/2
Bbls, NY	.. .	.11 1/2	.11 1/2
Kegs, 100 lb NY	.. .	.11 1/2	.11 1/2
Imp., 560 lb casks	.. .	.11 1/2	.12
Phosphoric, 50% tech., 150 lb			
Clys	.. .	.07	.07 1/2
Syrup USP, 70 lb drums lb	.. .	.16	.17
Demis	.. .	.17	.18
Imported	.. .	.16	.17
Phthalic, See Phthalic Anhydride			
Picramic, 300 lb bbls	.. .	.30	.33
Picric, 450 lb bbls c-l	.. .	.. .	.86
Pyrogallie, tech., powd. 200 lb			
bbls	.. .	.27	.32
S kegs	.. .	.15	.16
Salicylic tech., 125 lb bbls lb	.. .	1.60	1.95
Sulfanilic, 250 lb bbls	.. .	1.35	
SULFURIC, 66° 180 lb clys			
le-l wks	.. .	1.20	
Clys c-l wks	.. .	1.00	
1,500 lb Drums le-l wks	.. .	15.00	
..	1.10	
Drums c-l wks87 1/2
Tank cars, wks	10.50

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6 oz. stock. We also make
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644-652 Greenwich St., New York

Acid, Sulfuric
Aluminum Stearate

ACID SULFURIC (Cont'd)			
C.P. 175 lb cys	100 lb	.07	: .08
Oleum 20 pe 1500 lb drums			
le-1 wks	100 lb		: 1.50
Drums c-1 wks	100 lb		: 1.25
Tank cars, wks ..net ton	18.00		: 19.00
Oleum 40% drs le-1 wks net ton			: 42.00
Oleum 60% drs le-1 wks net ton	62.00		: 72.00
Tannic, tech., 300 lb bbls	.30		: .40
Tartaric, USP, cryst., 300 lb bbls			: .29 1/2
USP, powd., 300 lb bbls			: .29 1/2
Imp., USP, 240 lb bbls			: .28 1/2
Powd., 240 lb bbls			: .28 1/2
Tobias, 250 lb bbls			: .85
Tungstic, 100 lb kegs			: 1.00
Adeps Lanæ hydrous 350 lb bbls	.15		: .20
Anhydrous, 350 lb bbls	.19		: .23
ALCOHOL, amyl See Fuel Oil			
Benzyl 5 lb bot	1.45		: 1.55
Butyl Normal 50 gal drs wks c-1	.19		: .20
Drums le-1 wks	.19 1/2		: .20 1/2
Tanks cars wks	.18 1/2		: .19 1/2
Butyl Tertiary 50 gal drums	.50		: .54
Anhydrous			: .75
Diacetone, 50 gal drs freight			
Allowed	1.70		: 1.90
Ethyl, USP 190 pf 50 gal bbls gal	4.75		: 4.80
Anhydrous, drums	.50		: .55
Denatured			
No. 1 complete denat. 190 pf			
50 gal bbl incl			: .44 1/2
Carlota			: .42 1/2
50 gal drums extra			: .35 1/2
Tank cars			: .33 1/2
No. 1 Special denat. 190 pf			
50 gal bbl incl			: .44 1/2
Carlota			: .42 1/2
50 gal drums extra			: .35 1/2
Tank cars			: .33 1/2
No. 5 Complete denat. 188 pf			
50 gal bbl incl			: .42
Carlota			: .40
50 gal drums extra			: .33
Tank cars			: .31
In addition to the regular authorized formulae for completely denatured alcohol, see 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue.			
Isobutyl crude 50 gal drs			: .
Refined 10 lb cans			: .
Isopropyl, refined, 90-91% 50 gal drs	1.00		: 1.25
Propyl nml., 50 gal drs			: 1.00
Ref'd. 98-99% drs	1.25		: 1.50
Aldehyde Ammonia, 100 gal drums	.80		: .82
Alpha-Naphthol crude 300 lb bbls			: .65
Refined	.85		: .90
Alpha-Naphthylamine, 350 lb bbls	.35		: .37
Ton lots bbls wks			: .35
ALUM, Ammonia, lump 400 lb bbls			
wks le-1	3.15		: 3.50
Ground 400 lb bbls wks 100 lb	3.25		: 3.65
Powd. 380 lb bbls wks 100 lb	3.65		: 3.90
Chrome, 500 lb cks., wks	5.25		: 5.50
Potash, lump, 400 lb wks. 100 lb	3.50		: 3.75
Bbls c-1 wks	3.35		: 3.40
Imported lump			: 3.25
Ground 400 lb bbls wks 100 lb	3.50		: 3.85
Imp., 350 casks			: 2.65
Powd., 380 lb bbls wks 100 lb	3.50		: 4.00
Chrome, 500 lb casks wks 100 lb	5.25		: 5.50
Grd., 400 lb bbls wks 100 lb			: 3.75
Bbls., c-1 wks			: 3.50
Aluminum metal, c-1 NY			: 27.00
Chloride, anhyd 275 lb drs	.35		: .40
Crystals, 375 lb bbls			: .06 1/2
30% sol., 120 lb cys			: .08
Hydrate 96% light 90 lb bbls	.17		: .18
Hvy., 62-64% 220 lbs	.06		: .06 1/2
400 lb bbls wks	.06 1/2		: .07
Stearate, 100 lb bbls	.23		: .24

Chemicals

stead of per pound. The quotations should have read per pound.

Alcohol Denatured—In excellent demand due to the cold weather. Quotations are quite firm in all directions at recent figures.

Ammonia Anhydrous — Market remains sharply competitive and makers are quoting practically any prices that will bring the business. Prices being done are given by the range of 10c@11 1/2c lb.

Ammonia Aqua—This product is in the same position as the anhydrous material. Production is very much greater than the consumption and makers are quoting any price that will bring the business.

Ammonium Chloride — In free supply in all directions. Prices are firm, however, under an active demand. Domestic factors report satisfactory contract business closed for 1927.

Aniline Oil—Market is sharply competitive. Although open quotations remain at 15c@16c lb as to quantity, reports are heard of small quantities sold at 14 1/2c lb, and larger quantities at 14c lb.

Antimony — The market has shown little change and continues in its quiet and unsteady state.

Arsenic—White material is in very slight demand and prices are soft. Red material is also easy at 10 1/2c@11c lb.

Barium Chloride—Domestic makers report a much firmer situation and quote firm prices of \$65.00@ \$67.00 ton for ordinary business. Spot cars are quoted at \$61.50 ton. Imported material is easy at the moment.

Benzene—While open quotations are given at 24c gal. in tank cars at work by leading factors, the market is admittedly weak and very many spot sales are being booked at prices ranging down to 23c gal. Supplies are large and demand continues to lessen due to the declining movement of gasoline with the colder weather. The settling of the British coal strike has also had a dampening effect upon the export demand, and the large surplus stocks have been moving in this direction for some time.

Beta-Naphthol—Market is quoted unchanged by makers who report an excellent demand. A large consumer is reported to be arranging for his own production in the

Aluminum Sulfate
Barium Hydrate

ALUMINUM			
SULFATE, Iron-free bags c-1			
wks	100 lb		: 1.75
Bbls c-1 wks	100 lb		: 1.90
Imported, spot	100 lb	1.60	: 1.65
Com'l 1/2% iron bags c-1 wks	East 100 lb		: 1.40
Cont. bgs c-1 wks E 100 lb		1.35	: 1.40
Bags c-1 wks	W 100 lb		: 1.40
Bbls c-1 wks	E 100 lb		: 1.55
Bulk, c-1 cont wks E 100 lb			: 1.50
Amidol (See Diaminophenol)			
Aminoazobenzene, 110 lb kegs			: 1.15
AMMONIA, anhyd. 100 lb cgl	.11		: .12 1/2
Water 26° 800 lb drs del			: .03
Dr., c-1 delivered			: .02 1/2
Tanks			: .02 1/2
CP cys			: .12
Acetate, 100 lb kegs			: .34
Bifluoride, 300 lb bbls	.21		: .22
100 lb kegs	.22		: .23
Bromide, 450 lb bbls 50 lb bxs			: .55
Imported, 112 lb boxes	.48		: .50
Carb. tech., 500 lb cases	.08 1/2		: .09
Powd., tech., 550 lb cks	.07 1/2		: .07 1/2
USP, lump 100 lb kegs	.11		: .11 1/2
Powd. 100 lb kegs	.13		: .13 1/2
Chloride, Domestic			
White 250 lb bbls c-1			: .06
250 lb bbls le-1 wks	.06 1/2		: .06 1/2
Imp. white 600 lb cks			: .05 1/2
C.P. USP, gran bbls	.13		: .13 1/2
Gray, 250 lb bbls wks	.07		: .07 1/2
Bbls., c-1 wks			: .07
Imp. gray 550 lb cks	.06		: .06 1/2
Lump, 500 lb casks spot	.11		: .11 1/2
Iodide, USP, 25 lb jars			: 5.20
Lactate, 500 lb bbls	.15		: .16
Refined Crystals bbls			: .20
C.P. gran., 100 lb kegs	.35		: .37
Oxalate, pure 100 lb kegs	.35		: .37
Persulfate, 112 kegs	.27 1/2		: .30
Phosphate, dibasic 200 lb bbls			: .38
Tech., powdered 325 lb bbls			: .18
Mono, 325 lb bbls	.12		: .12 1/2
Sulfate bulk c-1	100 lb		: 2.50
Southern points	100 lb		: 2.50
Imp., 200 dhl bgs fas 100 lb			: 2.50
Sulfate-Nitrate bulk fob NY ton			: 81.00
Sulfocyanide tech., 100 lb kgs	.40		: .45
Amyl-Acetate, tech., 50 gal drs gal	1.60		: 1.70
Refined 50 gal drums			: 1.90
Alcohol, see Fuel Oil			
Butyrate absolute cans	1.20		: 1.30
ANILINE OIL, 960 lb drums			
			: .15
Hydro Bromide			: .75
Salt 200 lb bbls			: .24
Anthracene, 80-85% 600 lb casks			
wks			: .60
Anthraquinone, sub 125 lb bbls	.90		: 1.00
Antimony metal slabs tons lots	.12 1/2		: .12 1/2
Needle powder 100 lb cs	.14		: .15 1/2
Bromate			: 1.50
ANTIMONY CHLORIDE, anhyd 1000 lb			
drs			: .16
50 lb crocks	.45		: .48
Sol'n 130 lb carboys 48°			: .17
Oxide, 500 lb bbls	.16 1/2		: .17
Sulfuric golden, 250 lb bbls	.15		: .16
Crimson 250 lb bbls	.25		: .27
Vermilion, 250 lb bbls			: .37 1/2
Tartrolactate, 500 lb bbls			: .45
Tribromide			: 1.05
Arsenic metal 220 lb kegs	.45		: .50
Red, 224 kegs cases	.10 1/2		: .11
White, 20 lb cases to 550 lb bbls NY	.03 1/2		: .03 1/2
BARIUM BINOXIDE, see Barium dioxide			
Bromate			: .70
Carbonate, precip., 300 lb bbls			
wks	50.00		: 52.00
Precip., 200 lb bgs wks ton	47.50		: 50.00
Imports, casks NY	47.00		: 48.00
Chlorate, 112 lb kegs NY	.12		: .12 1/2
Chloride, 800 lb bbls wks	65.00		: 67.00
200 lb bags wks	61.00		: 63.00
Imports, large crystals bbls			
Spot	63.00		: 64.00
Dioxide, 83% 690 lb drs	.13		: .13 1/2
Import, 86-88% 400 lb drs	.13		: .13 1/2
Hydrate, 500 lb bbls	.04 1/2		: .04 1/2

Announcement

KENTUCKY ALCOHOL CORPORATION

30 BROAD STREET, NEW YORK CITY

has taken over its own SALES and DISTRIBUTION in the NEW YORK-METROPOLITAN DISTRICT, including Northern New Jersey, and has organized a direct Sales Division for this territory.

Local Warehouses have been established, from which it will distribute all types and formulae of COMPLETELY DENATURED and SPECIALLY DENATURED and PURE (Taxpaid) ALCOHOL to industrial users and permit holders.

This broadened policy will insure users of its products the highest standard of quality, fresh goods and best service. *Inquiries solicited.*

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will continue
Jobbing Distribution
of the products of
Kentucky Alcohol Corporation

New York Sales Division
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Prices on application.

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Pittsburgh, Pa., U.S.A.

Barium Nitrate Camphor

BARIUM Nitrate , 700 lb casks .. lb	.07 1/2	.08
Imports, casks .. lb	.07 1/2	.08
Sulfocyanide 600 lb bbls .. lb	.27	.28
Barytes, floated 350 lb bbls wks ton	23.00	24.00
Imported .. ton	29.00	33.00
Crude, cif .. ton		9.00
Benzaldehyde, tech., 945 lb drs wks	.65	.70
BENZENE		
Comm. 90% 8,000 gal tks wks gal	.23	.24
Non-Corrosive 90% tks wks gal		.25
Commercially pure tks wks gal	.23	.24
Non-Corrosive pure tks wks gal		.25
Nitration tks wks .. gal		.26
Drum lots 5c gal higher		
Denaidine Base, dry 250 lb bbls lb	.70	.74
Denaidine Sulfite paste, 350 lb bbls	.65	.66
Benzol, see Benzene		
Benzoyl Chloride 500 lb drs .. lb		1.00
Benzyl acetate 100 lb chys .. lb	1.30	1.40
Benzoate, bulk .. lb	1.15	1.35
Chloride 95% tech 925 lb drs lb		.25
100 lb chys .. lb	.25	.30
Redls. 160 lb chys .. lb	.30	.35
BETA-NAPHTHOL 350 lb bbls wks lb		.24
c-l .. lb		.22
Sublimed .. lb	.53	.60
Beta-Naphthylamine tech 200 lb bbls	.63	.67
Sublimed, 200 lb bbls .. lb		1.35
Bianc Fixe, dry 400 lb bbls wks ton	80.00	90.00
Imported, bbls .. ton	70.00	72.00
Paste, 650 lb bbls c-l .. ton	45.00	55.00
BLEACHING POWDER , 700 lb drs		
c-l wks contract .. 100 lb		2.00
le-l wks contract .. 100 lb		2.15
c-l spot wks .. 100 lb		2.10
le-l spot wks .. 100 lb		2.25
le-l spot ex-warehouse 100 lb	2.35	2.50
300 lb drs c-l wks contract 100 lb		2.25
c-l spot wks .. 100 lb		2.35
le-l wks contract .. 100 lb		2.40
le-l spot wks .. 100 lb		2.50
Blues, bronze Chinese, Mflori	.29 1/2	.32
Blue Vitriol, see Copper Sulfate		
Bone Ash, 100 lb kegs .. lb	.08	.07
Black, 200 lb bbls .. lb		.08 1/2
Borax, crys., 400 lb bbls .. lb	.05 1/2	.05 1/2
Powdered, 300 lb bbls .. lb	.05	.05 1/2
Kegs 100-150 lb .. lb	.05 1/2	.06
Bordeaux Mixture, 16% pd .. lb	.11	.12
Paste, bbls .. lb	.08	.10
Bromide, see potash, bromide etc		
Bromine, hot, in 50 lb cs wks .. lb	.45	.47
Bromobenzene, 600 lb drs .. lb		.50
Butter of Antimony, see Antimony Chloride		
Butyl Acetate normal tk drs wks gal	1.42	1.45
Drums c-l wks .. gal	1.44	1.47
Drums, le-l wks .. gal	1.47	1.50
Secondary 50 gal drums .. gal	1.00	1.05
Aldehyde 50 gal drs wks .. lb	.70	.75
Propionate, drs .. lb	.34	.36
Stearate 50 gal drs .. lb		.60
Tartrate drs .. lb	.57	.60
CADMIUM , metal 100 lb bbs .. lb	.70	.75
CALCIUM Acetate 150 lb bbs c-l		
100 lb .. lb		3.50
Arsenate, 100 lb bbls c-l wks lb	.07 1/2	.08
Bromate .. lb		1.50
Bromide, 100 lb cs .. lb		.80
Carbide, 220 lb dr c-l wks .. lb	.05 1/2	.06 1/2
Carbonate, tech 100 lb bags		
c-l .. 100 lb	1.00	1.10
USP, precip, 175 lb bbls .. lb		.08 1/2
Chloride, solid 650 lb drs c-l		
f.o.b. wks .. ton	21.00	23.00
Drums delvd. NY .. 100 lb	1.74	1.89
Imp., Shipment .. ton		19.50
Flake, 375 lb drs c-l drs f.o.b.		
wks .. ton		27.00
Drums delvd. NY .. 100 lb	2.04	2.19
Bags delvd NY .. 100 lb	2.04	2.19
Nitrate, 220 lb bbls c-l NY .. ton		52.00
Phosphate, tech 450 lb bbls .. lb	.09	.10
Phosphate mono, 325 lb bbls .. lb	.07	.08
Stearate, bbls .. lb	.23	.25
Sulfocarbonate, 100 lb kegs .. lb	.53	.57
CAMPOR , Amer., ref. 250 lb bbls		.84
2 1/2 lb slabs, 100 lb cs .. lb		.85 1/2
Jap., ref., 2 1/2 lb slabs 100 lb		
cs .. lb		.80
Powdered .. lb		.77
Crude, 100 lb cs .. lb	.54	.56

Chemicals

near future and this is expected to have some effect upon the market.

Beta-Naphthylamine—Market is steady under normal routine demand.

Bleach—Makers report contract business closed for next year of good volume.

Butyl Acetate—Movement continues to increase steadily. Makers report continued sharp price competition.

Calcium Acetate — Demand is very heavy in all directions due to the steadily increasing demand for acetic acid from solvent manufacturers. The market is in a very strong position due to the small stocks.

Calcium Chloride — Very quiet due to the dull season. Quotations are unchanged.

Carbon Tetrachloride — Makers are all quoting unchanged prices and report a firm market.

Casein—The shipment market showed a better tone last week and spot prices were higher at 15 1/2c 15 3/4c lb. The movement into consumers' hands continues light.

Chlorine—Demand is increasing steadily. Makers report contracts closed for next year's business at schedule prices in greater volume than for the current year.

Chloroform—Technical material is reported subject to sharp price competition although the demand is quite heavy. U. S. P. is firmer at unchanged prices of 30c lb from all makers.

Copper Sulfate — Demand has lessened considerably. Makers are fairly firm in their prices. Carlots are quoted at \$4.75 100 lbs., but some transactions have been reported at \$4.65.

Copperas—Leading makers report a fairly steady market at unchanged prices, although some slight unsettlement in prices has occurred at times.

Dianisidine—In slight routine demand at firm unchanged prices.

Dibutyl Tartrate — Market is quite steady under a steady demand. Quotations are unchanged.

Dimethylaniline—Demand is of large volume and the price situation

Carbazol Dibutyl Tartrate

Carbazol, 250 lb bbls .. lb		.15
Carbon Bisulfide 500 lb dr le-1 NY lb	.05 1/2	.06
c-l drums NY .. lb		.05 1/2
Carbon Black, c-l wks bags .. lb	.08	.09
100-300 lb cases le-1 NY .. lb		.12
Decolorizing 40 lb bags c-l .. lb	.08	.15
90 lb drums c-l .. lb	.08 1/2	.15 1/2
Carbon Dioxide, Liquid 20-25 cy lb		.06
Tetrachloride, 1400 lb drs del lb	.07	.07 1/2
Drums c-l delivered .. lb		.06 1/2
Casein, edib., 100 lb kegs .. lb	.45	.65
Standard ground .. lb	.15 1/2	.16
Caustic Potash see potash, caustic		
Soda, see soda, caustic		
Cellulose Acetate, 50 lb kegs .. lb		1.40
Cerium Oxalate USP, 100 lb kegs lb	.33	.35
Bulk .. ton		5.00
Precip, English 7 lb bags .. lb		.08 1/2
Precip., heavy 560 lb casks .. lb	.03 1/2	.03 3/4
Chinese Blue, See Blue		
Chloramine USP, 200 lb bbls .. lb		1.75
Chlorocane 5 lb bot .. lb	.55	.65
Chlorhydrin, Ethylene See Ethylene		
CHLORINE , Liquid tank or multi-unit car wks contract .. lb		.04
Tank car spot wks .. lb		.04 1/2
Carlots cyl wks contract .. lb		.05 1/2
spot wks .. lb		.05 1/2
le-1 cyl wks contract .. lb	.08	.09
Spot wks .. lb	.08 1/2	.09 1/2
Chlorobenzene, mono, 100 lb drs wks le-1 .. lb		.07
CHLOROFORM , USP, 50 lb drs .. lb		.30
Second hands 650 lb drs .. lb	.28	.29
Technical 1,000 lb drums .. lb	.20	.22
Chlorophyll Oil Sol. .. lb	3.75	4.00
Water Sol .. lb	.75	4.00
Chromium Acetate 20° sol'n 400 lb bbls		.05 1/2
Fluoride, Powd., 400 lb bbls .. lb	.27	.28
Oxide, Green bbls .. lb	.34 1/2	.35 1/2
Chrome Green, CP .. lb	.27	.29
Comm. .. lb	.06 1/2	.11
Chrome Yellow .. lb	.17 1/2	.18 1/2
Citric Acid, see Acid Citric		
Clay c-l Bulk, Del., .. ton	16.00	18.00
Powdered 125 lb bags .. ton		20.00
Coal Tar, See Tars		
Cobalt metal 100 lb kegs .. lb	2.50	3.00
Cobalt Oxide 500 lb bbls .. lb	2.00	2.10
10 lb tins 200 lb cases .. lb		2.20
Chalk, drop 175 lb bbls .. lb	.03	.03 1/2
Precip., light 250 lb bbls csks .. lb		.04 1/2
Precip., heavy 560 lb casks .. lb	.02 1/2	.03 1/2
NY .. 100 lb	14.35	14.37 1/2
COPPER , metal electrolytic .. 100 lb	13.57 1/2	13.62 1/2
Lake c-l NY .. 100 lb		.13 1/2
Casting c-l NY .. 100 lb		13.75
Carbonate 400 lb bbls .. lb	.16 1/2	.17 1/2
Chloride 250 lb bbls .. lb		.28
Cyanide 100 lb drs .. lb	.48	.50
Oxide, red 1000 lb bbls ton lts lb	.16 1/2	.17
Sub-acetate verd 440 lb bbls .. lb	.17	.18
SULFATE , crys., 450 lb bbls le-1		
Spot .. 100 lb	4.90	5.00
Carlots, bbls wks 100 lbs .. lb		4.75
Carlots bbls fob NY 100 lbs .. lb		4.85
Powd. 350 lb 5bbls .. 100 lb		5.25
Copperas bulk, crystal and sugar		
c-l wks .. ton		13.00
200 lb bbs c-l wks .. ton		15.00
400 lb bbls c-l wks t .. ton		18.00
Powdered bbls .. 100 lb	1.90	2.00
Sugar, 100 lb bbls .. 100 lb	1.25	1.35
Bulk, wks .. ton	8.90	9.00
Cotton Soluble 100 lb bbls wet .. lb	.40	.42
Cottonseed, Meal, 7% .. ton	28.50	31.00
CREAM TARTAR , USP, 300 lb bbls	.21	.21 1/2
Imp., powd., USP, 224 lb bbls .. lb	.21	.21 1/2
Creosote USP 42 lb chys .. lb	.40	.42
Creosote Oil Natural 50 gal drs .. gal	.20	.21
10-15% Tar acid .. gal	.25	.26
25-30% Tar acid .. gal	.28	.29
Cresol, USP, 400 lb drums .. lb	.20	nom.
Cyclohexanol, see Hexalene		
Cymene, See Para-Cymene		
DIAMINOPHENOL , 100 lb kegs lb		3.80
Diamyl Phthalate drums, wks .. gal	2.95	2.97
Dianisidine, 100 lb kegs .. lb	3.25	3.50
Dibutyl Phthalate wks .. gal	2.75	2.80
Dibutyl Tartrate, 50 gal drums .. lb	.55	.65

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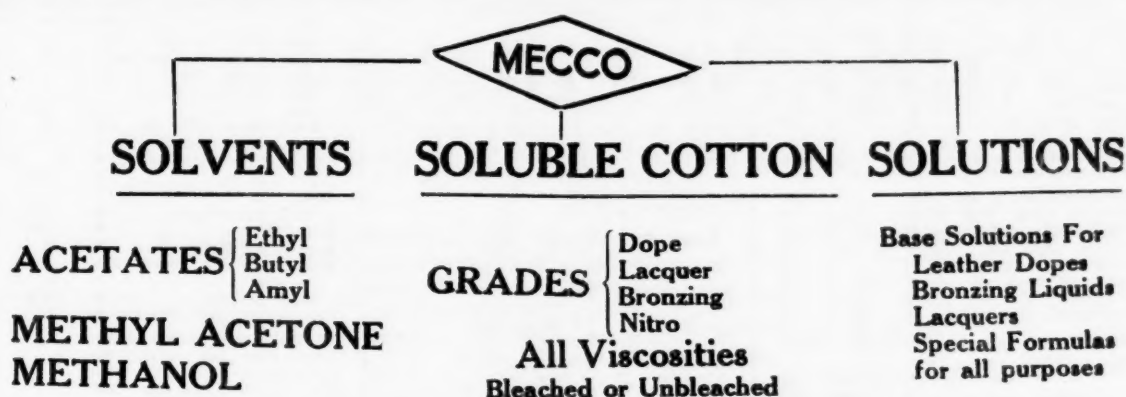
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THE MINER-EDGAR COMPANY
110 William St., New York

Dichlorobenzene G Salt

Dichlorobenzene, 1,000 lb drums	.06	.07
Dichloromethane Drums, wks	.23	.25
Diethylamine, 400 lb drs		2.15
Diethylaniline, 850 lb drs	.55	.60
Diethyl Carbonate, drums	1.85	2.00
Diethyl Phthalate 1,000 drums	.25	.28
Diethyl Sulfate tech., 50 gal drs	.20	.25
C.P., drums	.40	.50
Dimethylamine, 400 lb drs		2.60
Dimethylaniline 340 lb drs wks	.32	.34
Dimethylsulfate, 100 lb drs	.45	.50
Dinitrobenzene, 400 lb bbls	.15	.15½
Dinitrochlorobenzene, 400 lb bbls	.15	.16
Dinitrochlorine, 300 lb bbls	.18	.19
Dinitronaphthalene, 350 lb bbls	.32	.34
Dinitrophenol, 350 lb bbls	.31	.32
Dinitrotoluene, 300 lb bbls	.15	.17
Diorthotolylguanidine, 275 lb bbls wks	1.05	1.08
Diphenylamine	.48	.50
Diphenylguanidine, 5,000 lbs. 100 lb.	.85	.88
EPSOM SALT, tech., 300 lb bbls		2.00
NY		1.75
Bbls c-1 NY	1.50	1.75
100 lb c-1 NY 100 lb	1.05	1.10
Imp., 20 lb bags c-1		
USP, 200 lb bbls 10 bbls Seaboard		2.35
Interior		2.50
Carlots, bbls kegs Seaboard		
100 lb	1.90	2.15
Interior	2.00	2.20
Imported, 400 lb bbls	1.70	2.00
ETHER, USP, 55 lb drums		.14
Anaesthesia, 55 lb drums		.19
USP, 1880 55 lb drums		.48
Washed, 55 lb drums		.37
Motor 1 lb bottles	.30	.32
Ether, Nitrous, 1 lb bo t.	.90	.95
Ethyl Acetate, 99% 50 gal drs gal		1.05
35% Ester, 10 gal drs		.77
Carlots drums		.74
Tank cars		.72
Refined drums	1.72	1.85
Aceto Acetate drums wks		1.00
Benzyl Aniline, 300 lb drs	1.05	1.11
Bromide, 115 lb drs		.50
Butyrate cans	1.10	1.20
Chloride, 200 lb drs		.22
Lactate drums wks		3.50
Methyl Ketone, 50 gal drs	.30	nom.
Oxalate drums wks	.45	.55
Ethylene-Bromide 600 lb drs		.70
Chlorhydrin, anhyd., 50 gal drs	.75	.85
40% Solution, 50 gal bbls	.25	.30
Dichloride, 50 gal drs		.15
Tank cars		.10
Glycol 50 gal drums wks	.30	.40
Tri Chloride	.10	.10½
Ethylidenaniline	.62	.65
Feldspar bulk	20.00	25.00
FERRIC CHLORIDE tech., crys.		
475 lb bbls	.07½	.09
Imported	.04½	.05
C.P., crys., 100 lb kegs		.10
Imported	.06	.06½
Neut. Soln. 42° 140 lb chys	.06½	.07
46° 140 lb chys	.08	.08½
USP, Soln 125 lb chys	.06½	.07
Bromide solution		.55
Ferrous Bromide sol'n		.55
Chloride crys tech 475 lb bbls	.05	.06
Sulfide 1000 lb bbls	2.50	3.00
Fiske-White see lead White		
Fluorspar, 95% 220 lb bags ex-dock		25.00
96% bags		33.50
98% bags		35.00
FORMALDEHYDE USP, 400 lb bbls		
c-1 wks		.11½
Bbls 400 lb lc-1 wks	.11½	.11½
Formaldehyde Aniline 100 lb drs	.30	.42
Furfural 500 lb drums		.17½
Tanks, wks		.15
Fusel Oil 10% Impurities drs gal		1.80
Refined	2.00	2.03
G SALT paste 360 lb bbls basis 10%	.50	.52

Chemicals

should be stronger due to the recent advances in methanol. Selling competition is sharp, however, due to the closing of contracts.

Dinitrobenzene—Makers report a steady movement at firm unchanged prices of 15c@16c lb as to quantity.

Epsom Salts—Imported technical material continues to move at low prices of \$1.05@1.10 100 lbs., while domestic is quoted unchanged at \$1.70 100 lbs.

Ethyl Acetate—Demand is heavy and prices show no appreciable change.

Ethyl Benzyl Aniline—Market is quiet but steady at \$1.05@1.11 lb.

Formaldehyde—Makers report an active demand at recently advanced prices.

Glauber's Salts—Domestic material is moving well, but selling pressure continues high and prices are far from firm.

Glycerin—Market is easy and U. S. P. is available in some directions at 29c lb.

Hydrogen Peroxide—Factors report a good movement of all strengths, but report sharp selling competition in the market.

Lead—Makers announced a reduction in the price of white lead, basic carbonate in barrels to 9¾c @10c lb and on white sulfate to 9c@9½c lb on revised raw material costs. Red lead and litharge are unchanged.

Lead Arsenate—In some quarters shading of the scheduled price is noted and though considerable business has been placed at 15c@15½c lb, parcels are obtainable in some directions at lower figures.

Lime Sulfur Solution—Is moving in good volume for deliveries over next year. For immediate delivery the market is rather quiet and the price remains firm and unchanged in all directions.

Mercury—Market continues to advance and leading factors now quote firm prices of \$100@101 flask and report large sales at these figures.

Meta-Nito-Para-Toluidine—Although leading makers of this product name unchanged prices of \$1.75 lb, and are making many sales at this price, unsettlement is reported to have occurred in some directions.

Glauber's Salt Magnesium Carbonate

GLAUBER'S SALT, tech., 200 lb bags		
c-1 wks	1.05	1.10
lc-1 wks	1.15	1.20
350 lb bbls c-1 wks		1.10
Bbls lc-1 wks	1.25	1.35
Imported bags NY	.75	.80
Calcined, see Sodium Sulfate		
GLYCERIN, CP, 550 lb drums	.29	.30
Cans, 50 lb		.31
Dynamite, 100 lb		.27
Saponification tanks		.20½
Soap, Lye tanks		.18
Hexachlorethane Drums wks		.45
Hexalene, 50 gal drs, wks		.45
Hexamethylenetetramine, U. S. P. 100 lb drums	.60	.62
Imported	.58	.60
Rubber Makers, Impalp Pd		
dr	.80	.82½
HI-Flash Naphtha 8,000 gal tks		
wks		.35
Drums wks		.40
HYDROGEN PEROXIDE, 10 vol		
400 lb bbls	.04½	.05
15 vol	.05	.06½
17 vol	.06½	.06½
25 vol	.06½	.06½
100 vol 140 lb chys	.30	.31
IODINE, crude 200 lb kegs	4.20	4.25
Iridium, metal, 10 oz lots		260.00
Iron, metal by hydrogen 1 lb bot	.68	.70
IRON Chloride see Ferric or Ferrous		
Nitrate, kegs	.09	.10
Com'l bbls	2.50	3.25
Oxide, red Spanish	.02½	.03½
English	.10	.12
Perchloride see Ferric Chloride		
Isopropyl Acetate 50 gal drums gal	.85	.90
Kaolin see Clay		
LANOLIN, see Adeps Lanae		
LEAD, metal c-1 NY		7.80
Acetate, white crystals		
bbls wks	14.00	14.50
100 to 250 lb kegs wks		15.00
White, broken bbls wks	14.50	15.00
White, gran bbls wks	14.50	15.00
White, powd bbls wks	14.75	15.25
Brown, broken bbls wks	13.00	13.50
Arsenate, 100 lb kegs		.15
Bbls, c-1 wks		.15½
Bbls, lc-1 wks		.08
Paste, 100 & 600 lb bbls		.14
Nitrate, 500 lb bbls wks		.10½
Oxide, Litharge 500 lb bbls		.14½
100 kegs wks		.11½
Oxide, red, 500 lb wks		.12½
100 lb kegs wks		.17½
Oleate, bbls	.35	.30
Peroxide, 100 lb drs		.09½
White, basic carb., 500 lb bbls wks		.14½
100 lb kegs wks		.09
White sulfate 500 lb bbls wks		.09½
LIME (Salts, see Calcium Salts)		
Ground Stone, bags		4.50
Live, bulk		8.50
Live, 325 lb bbls ton lots		
wks		1.05
Single bbl wks		1.08
Hydrated, 167 lb bbl ton lots		
wks		.35
Single bbl wks		.01
Oyster Shell 150 lb bbl atng		.03½
Sulfur dry 200 lb drs NY		.08½
Dr. c-1 NY		.07½
33° Sol'n 50 lb bbls NY gal	.15	.15½
Litharge see lead oxide		
Lithium Carb., USP 100 lb kegs	1.45	1.50
Bromide 100 lb cs	1.80	1.90
Lithopone, 400 lb bbls lc-1 wks		.06½
Bbls, c-1 wks		.05½
Bags c-1 wks		.05½
Imported, 400 lb bbls	.05½	.06
Litmus Cubes	.90	1.00
Second hands		.75
MAGNESITE, calcined, 500 lb ton	48.00	50.00
Magnesium mt., sticks 100 lb cs		.85
f.o.b. wks		1.50
Bromate		.08½
Carb., tech., 70 lb bags NY	.08	.08½
75 lb bbls NY	.09½	.10
USP, 100 lb bbls		.17
English cs blocks		.19

The Cleveland-Cliffs Iron Company

M
E
95% T 97%
H
METHANOL
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Den. O Pure
L

The Cleveland-Cliffs Iron Company
Cleveland, Ohio

"COLUMBIA BRAND"

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Soda

SOLID—FLAKE
GROUND—LIQUID



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Ash

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DENSE

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Pittsburgh Plate Glass Co., Barberton, Ohio

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NEW YORK

Magnesium Chloride Nitrotoluene

MAGNESIUM Chloride, flake 575 lb
dra. c-l wks	...	...	...
Imp., Flake Shipt.	...	...	...
Imp., fused 900 lb bbls NY ton	...	...	...
Fluocillate, crystals 400 lb bbls	...	...	...
wks	...	...	...
30% sol'n. 500 lb bbls wks	...	...	...
Sol'n. bbls c-l wks	...	...	...
Oxide, USP, light 100 lb bbls	...	...	...
USP, heavy, 350 lb bbls	...	...	...
Gallate, 100 lb. kgs	...	...	...
Sulfate bbls	...	...	...
Sulfate, see Epsum Salts	...	...	...
Manganese Borate, 30% 200 lb	...	...	...
bbls	...	...	...
100 lb kgs	...	...	...
Chloride, 600 lb cks	...	...	...
Dioxide, 80-84% 900 lb bbls	...	...	...
NY	...	...	...
85-90% 900 lb bbls NY ton	...	...	...
Hydrated, precip 100 lb kgs	...	...	...
Ore, bulk, ctf NY	...	...	...
Sulfate, 550 lb drums NY	...	...	...
MERCURY, metal 75 lb flask flask	...	...	...
Meta-Nitroaniline	...	...	...
Meta-Nitro-para-Toluidine, 300 lb	...	...	...
bbls	...	...	...
Meta-Phenylenediamine, 300 lb	...	...	...
bbls	...	...	...
Meta-Toluylenediamine, 300 lb	...	...	...
bbls	...	...	...
Tanks	...	...	...
METHANOL (Wood Alcohol)	...	...	...
95% tanks	...	...	...
Drums, c-l	...	...	...
Drums, lc-l	...	...	...
97% tanks	...	...	...
Drums, c-l	...	...	...
Drums, lc-l	...	...	...
Pure, Acetone free, tanks	...	...	...
Drums, c-l	...	...	...
Drums, lc-l	...	...	...
Bbls., incl., 6c higher	...	...	...
U. S. denat., grd. tanks	...	...	...
Drums c-l	...	...	...
Methyl Acetate drums	...	...	...
Methyl Acetone, 100 gal drums	...	...	...
Tank cars	...	...	...
Bromide	...	...	...
Chloride, 90 lb cyl	...	...	...
Michler's Ketone, 325 lb bbls	...	...	...
Milk, powd., 150 lb bbls	...	...	...
Milk Sugar, see Sugar of Milk	...	...	...
Mining Salts Drums wks	...	...	...
Monobromobenzene See Bromobenzene	...	...	...
Monacetone, See Acetone	...	...	...
Monochlorobenzene, see Chlorobenzene	...	...	...
Monethylaniline, 900 lb drs	...	...	...
Monomethyl paraminophenol sulfate	...	...	...
100 lb drs	...	...	...
NAPHTHA, see Solvent Naphtha	...	...	...
NAPHTHALENE, Flake, 175 lb bbls	...	...	...
wks	...	...	...
Balls, 250 lb wks	...	...	...
Crushed, shipped bgs., wks	...	...	...
Crude, imp., bags	...	...	...
NICKEL	...	...	...
Ingot 100 lb kgs	...	...	...
Chloride, bbls kgs	...	...	...
Oxide, 100 lb kgs NY	...	...	...
Salt single 400 lb bbls NY	...	...	...
Double 400 lb bbls NY	...	...	...
Sulfate, See Nickel Salt, single	...	...	...
Nickel Metal, electrolytic 100 lb	...	...	...
Nitricine, Free 40% 8 lb. tin c-d	...	...	...
NITRATE SODA, spot, See Sodium Nitrate	...	...	...
Nitro Cake, bulk wks	...	...	...
400 lb bbls	...	...	...
Nitrobenzene, crude, 1,000 lb. drs	...	...	...
wks	...	...	...
Redistilled, 1,000 drs wks	...	...	...
Nitronaphthalene, 550 lb bbls	...	...	...
Nitrotoluene, mixed 1,000 lb drs	...	...	...
wks	...	...	...

Chemicals

Ochre Potash Salts

Methanol—Position remains very strong and producers continue to allocate supplies despite the recent advance in prices.

Naphthalene—Refined material is firmer and prices are higher at 5c lb for flake and 6c lb for ball. While the spot movement at the moment is slight, contracts are being closed in large volume for early Spring delivery.

Para-Formaldehyde—Makers have advanced quotations following the recent advance in methanol quotations, and now name 53c@53½c lb.

Para-Nitroaniline—Although all makers name firm unchanged prices of 52c@53c lb there is a feeling among makers that this price is not being adhered to in all directions as one consumer claims to have been quoted 50c lb.

Para-Toluidine—This market is lower at 45c@47c lb as to quantity from leading makers. Stocks remain very large and demand continues of small routine volume.

Phenol—Production is in excess of consumption and this is causing high selling pressure on large contract business. Prices on ordinary sized lots are quite firm at 18c lb.

Phosphorus—Red and yellow are in routine demand at firm unchanged prices.

Phthalic Anhydride—Movement is of large volume, but thoroughly routine in character.

Pyridine—Absolutely no interest is shown in this item in any direction. Quotations are nominal at \$3.00 gal.

Soda Ash—Conditions show no change. Makers report very large business booked on contracts over next year at shading from the recently announced schedule in accordance with the volume involved.

Soda Caustic—Conditions surrounding this product are similar to those surrounding soda ash.

Sodium Bichromate—Makers report large contract business closed for 1927 at firm prices.

Sodium Cyanide—In normal routine demand at unchanged prices.

Sodium Chlorate—Domestic maker reports an excellent demand at firm unchanged prices. Importers report very scant stocks on hand.

Sodium Fluoride—Movement has increased considerably and import-

Ochre	...	...	...
Oil Fuel See Fuel Oil	...	...	...
Oil Mirbane, see nitrobenzene	...	...	...
Orange Mineral, 1100 lb cks NY	...	...	...
700 lb bbls NY	...	...	...
Ortho-Aminophenol, 50 lb. kgs	...	...	...
Ortho-Aniline, 100 lb drs	...	...	...
Ortho-Dichlorobenzene, see Dichlorobenzene	...	...	...
Ortho-Nitrochlorobenzene, 1,200 lb.	...	...	...
dra. wks	...	...	...
Ortho-Nitrophenol, 350 lb	...	...	...
Ortho-Nitrotoluene, 1,000 lb drs	...	...	...
wks	...	...	...
Ortho-Toluidine 350 lb bbls	...	...	...
PALLADIUM, metal 100m. lots	...	...	...
Para-Aminoacetanilid, 100 lb.	...	...	...
kgs	...	...	...
Para-Aminophenol, 100 lb kgs	...	...	...
Hydrochloride, 100 lb kgs	...	...	...
Para-Dichlorobenzene, 150 lb bbls	...	...	...
wks	...	...	...
25-50 lb kgs	...	...	...
Paraldehyde 110-55 gal drs USP	...	...	...
tech	...	...	...
Para-Cymene Refd. 119 gal. drs. gal.	...	...	...
Paraformaldehyde USP 100 lb cs	...	...	...
Para-Nitroacetanilid, 300 lb	...	...	...
bbls	...	...	...
PARA-NITROANILINE, 300 lb bbls	...	...	...
wks single bbls	...	...	...
Para-Nitrochlorobenzene, 1,200 lb drs	...	...	...
wks	...	...	...
Para-Nitro-ortho Toluidine, 300 lb.	...	...	...
bbls	...	...	...
Para-Nitrophenol, 185 lb bbls	...	...	...
Para-Nitrosodimethylaniline, 120 lb	...	...	...
bbls	...	...	...
Para-Nitrotoluene, 350 lb bbls	...	...	...
Para-oxy Benzaldehyde, 100 lb	...	...	...
kgs	...	...	...
Para-Phenitidin, 500 lb drs.	...	...	...
Para-Phenylenediamine, 350 lb.	...	...	...
bbls	...	...	...
Para-Toluene-Sulfonamide, 175 lb.	...	...	...
bbls	...	...	...
Para-Toluene-Sulfonchloride, 410 lb.	...	...	...
bbls. wks	...	...	...
Para-Toluidine, 350 lb bbls wks	...	...	...
PARIS GREEN.	...	...	...
Arsenic Basis, 500 lb kgs	...	...	...
Kgs, 100 lbs.	...	...	...
Kits, 56, 28, 14 lbs.	...	...	...
Packages, 5 and 2 lbs.	...	...	...
Packages 1 lb. ½ lb. ¼ lb.	...	...	...
Paris White, see Whiting French	...	...	...
PETROLATUM, green 300 lb bbls	...	...	...
Dark Amber, 300 lb drs	...	...	...
Light Amber, 300 lb bbls	...	...	...
Cream White USP 300 lb bbls	...	...	...
Lily White, USP, 300 lb bbls	...	...	...
Snow White, USP, 300 lb bbls	...	...	...
Phenol, see also acid carbolite	...	...	...
Makers 950 lb drums spot	...	...	...
Small drums 250-100 lb	...	...	...
Open market drums	...	...	...
Natural 240 lb drs drs. wks	...	...	...
Phenyl-Alpha-Naphthylamine 100 lb	...	...	...
kgs	...	...	...
Phosgene, 100 lb. cylinders	...	...	...
Phosphorus, red 110 lb cs	...	...	...
Yellow 110 lb cs wks	...	...	...
Imported, 110 lb cs wks	...	...	...
Phosphorus Oxidechloride, 175 lb cyl	...	...	...
Phosphorus Sesquisulfide 100 lb	...	...	...
cases	...	...	...
Phosphorus Trichloride, 175 lb cyl.	...	...	...
wks	...	...	...
Phthalic, Anhydride, 100 lb bbls	...	...	...
wks	...	...	...
Pitch, Coal-Tar wks	...	...	...
Plaster Paris, techn., 250 lb bbls	...	...	...
Platinum metal soft, 10 oz. lots	...	...	...
POTASH SALTS, rough	...	...	...
Pot. Muriate, basis 80% bags ton	...	...	...
Pot. Sulfate, basis 90% bgs ton	...	...	...
Pot. & Mag., Sulfate basis 48%	...	...	...
bags	...	...	...
Manure Salts basis 30% bulk ton	...	...	...
Manure Salts, basis 20% bulk ton	...	...	...
Kainit, basis, 12.4% bulk ton
Kainit, basis, 14% bulk
tons 10%
Bulk in bags. 02.00 extra
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Potassium Acetate Soda Ash

POTASSIUM Acetate, USP, 100 lb. bags	.29	.30
Second Hands, bags	.26	.28
Bicarbonate crys 320 lb bbls	.09	.09%
Bichromate crys., 725 lb cks	.08	.08%
Powd., 725 cks, wks	.11	.12
Bisulfate, 300 lb bbls	.16	.17
Import, 112 lb bbls	.18	.19
Bisulfate, 100 lb bags	...	.30
Bromate, 100 lb. cs	...	.35
BROMIDE, USP, cryst., 450 lb bbls	.48	.49
Granular, 300 lb bbls	.48	.49
Cases, 100 lb	...	.50
Imported, USP, 220 lb cs	.38	.41
CARBONATE, 80-85% calc.		
800 lb cks	.05%	.05%
80-85% hydrated, 800 lb Casks	.05%	.05%
90-95% calc. casks	.06%	.06%
98-98% calc. casks	.06%	.07
99% calc. casks	...	.07%
USP, 100 lb bags	.11	.11%
99% CP, casks	...	.12%
Chlorate, cryst., 112 lb. bags e-l wks	.08%	.09
Imp., 112 lb NY	.08%	.08%
Powd., 112 lb bags wks	.08%	.09
Imp., bags NY	.08%	.08%
Gran. Imp., 112 lb bags NY	.10%	.11
Pyrotechnic, fine powd. NY	...	.07
Chloride, crys. bbls	.05%	.05%
Chromate, bags	.37	.38
Citrate, USP, 50 lb	...	.60
Cyanide, 110 lb cases	.55	.57%
Metabisulfite, 300 lb bbls	.11%	.12
Imp., 550 lb bbls	.11%	.12
Nitrate, see Saltpetre		
Oxalate, neutral, 225 lb bbls	.16	.17
Perchlorate 112 lb bags	.11	.12
PERMANGAN, USP, crys., 500 lb. & 100 lb drs dws.	.14%	.14%
Imp., 112 lb. drs	.13%	.14
Formate red, 220 lb. bags	.39	.40
Formate, yellow 500 lb casks	.18	.18%
Sulfocyanide, CP, 25 lb jars	...	.60
Tartrate, neutral 100 lb bags	...	.61
Titanium Oxalate, 300 lb bbls	...	.35
Pyridine, 50 gal drs	...	3.00
QUICKSILVER, see Mercury		
Quinone, 100 lb bags	1.75	2.25
R SALT, 250 bbls, wks	.45	.46
Red Lead, See Lead Oxide		
Roche Salt, USP, 225 lb bbls	.20	.20%
Imp., USP, 300 lb bbls	.19	.19%
Sol Ammoniac, see Ammon. Chloride		
Sol Soda, see Sodium Carbonate		
Salt, Common, see Sodium Chloride		
Salt Cake 94-98% e-l wks	19.00	20.00
White, 87% wks	18.00	17.00
SALTPETRE, Double refined		
Granular, 450-500 lb bbls		
e-l wks	...	.08
Less e-l wks	.08%	.08%
Powdered, bbls, e-l wks	...	.07%
Large Crystals, bbls e-l wks	...	.08
Triple Refined Gran., bbls, less e-l wks	.06%	.06%
Satin White, 500 lb bbls	...	.01%
SILICA		
Crude, bulk, mines	6.00	7.00
Refined, floated, bags	15.00	30.00
Air floated, bags	32.00	50.00
Extra, floated, bags	55.00	65.00
SILVER, metal American os	...	.55%
Soap, Castile, 40 lb bxs	.20	.25
Powd. USP, 250 lb bbls	.28	.30
Green, USP, 450 lb bbls	.07%	.08%
SODA ASH, 55% light		
1-4 bags delivered NY 100 lb	...	2.10
5 & Up bags, del'd NY 100 lb	...	2.04
1-4 bbls, del'd NY 100 lb	...	2.44
5 & Up bbls del'd NY 100 lb	...	2.39
Contract, Basis, 55% light e-l bags wks	...	1.38
55% dense e-l bags wks 100 lb	...	1.50
Prompt and spot, basis 55% light bags e-l wks 100 lb	...	1.43
55% dense e-l bags wks 100 lb	...	1.45
Prompt and spot basis 55% e-l wks	...	1.50

Chemicals

ers are firm at a minimum of 9c lb, while domestic makers name unchanged prices of 8 3/4c@9c lb.

Sodium Nitrate—Interest on this market continues routine. There is some business being done in a small way with the South, but not of sufficient volume for the importers to order forward shipments in any volume.

Sodium Phosphate—Movement of di-salt has increased due to greater activity in the Paterson silk dyeing district. Imported material still makes its appearance in the market, but does not greatly affect domestic prices. Tri-salt continues to move in a very large volume at firm unchanged prices.

Sodium Prussiate—Conditions show no change. Makers are closing contracts at firm prices of 11c @11 1/4c lb at works, and imported material is offered on contract over next year at 10 3/4c lb.

Sodium Sulfide—Although imported drop material has been selling as low as 3c lb in some instances, this is expected to change with the formation of a syndicate abroad. Domestic makers have been forced to meet this competition in some directions. Movement is large.

Solvent Naphtha—Supplies are easy, but due to the small production prices are firm and unchanged.

Tin Salts—Due to the lower market for the metal, quotations are lower at 47c lb for crystals in barrels, 19 3/4c lb for bichloride solution, 40c lb for tetrachloride, and 72c lb for oxide.

Toluene—Demand continues sufficient readily to absorb all production at firm unchanged prices of 35c gal. in tanks at works.

Toners—Makers continue to experience a good demand for all grades, business being principally for deliveries over next year.

Vermilion—The firm tone of the imported continues and in one direction the inside price has been advanced to \$1.57@1.60 lb. It is still possible to do \$1.55@1.60 lb. With another advance in mercury and a firm tone prevailing, further advances in vermilion are expected.

Xylene—Due to the small production of this material, prices are firm and unchanged on all grades, although the demand is slight.

Soda Caustic Tri-Sodium Phosphate

SODA CAUSTIC, 76% solid		
1-4 drums del'd, NY 100 lb	...	3.91
5 & Up drs del. NY 100 lb	...	3.76
Ground & Flake 76%		
1-4 drums, del., NY 100 lb	...	4.31
5 & Up drs del. NY 100 lb	...	4.16
1-4 bbls del. 100 lb	...	4.56
5 & Up bbls del. 100 lb	...	4.41
Contract basis 76% e-l wks		
100 lb	...	3.10
Pmpt., and spot Basis 76% e-l wks	...	3.20
Contract 74% low grade e-l wks flat	...	3.03
Ground & Flake, 76% pmpt. and spot, wks e-l drs 100 lb	...	3.60
USP, stick, 10 lb cases	.19	.21
Pure, stick, by alcohol	.25	.27
Soda Sal, see Sodium Carbonate		
Sodium Metal, 12 1/2 lb. bricks	...	.27
SODIUM ACETATE, crys., 450 lb bbls wks	.04%	.05
Aluminate, 500 lb bbls wks	.07%	.08
Aluminum Sulfate, see Alum Soda		
Arsenate, 4 lb mtl. wks drms gal	.50	.60
Drums, 8 lb material, wks gal	1.00	1.20
Bismute, USP, 100 lb bbls	.60	.55
Bicarbonate, 400 lb bbls NY 100 lb	...	2.41
Bbls e-l wks	...	2.00
112 lb bags e-l wks	...	2.35
112 lb bags NY 100 lb	...	2.68
Bichromate, 500 lb casks wks	.06%	.06%
Bisulfite, dry powder 500 lb bbls wks	...	.08%
Imported	...	.08
BROMIDE, USP 450 lb bbls	.48	.49
Cases, 50 lb	.48	.49
Imp., USP, 220 lb cases	.44%	.45
Bromate, 100 lb cs	...	1.15
Carbonate Sal Soda 350 lb bbls		
le-l NY	1.50	1.35
Weks e-l	1.10	1.20
Monohydrate, 400 lb. bbl.		
le-l NY	...	2.40
Pure photographic 100 lb	...	
Imported, 112 lb. bags	.06%	.06%
Chloride, tech	13.00	13.00
CP, 300 lb. bbls	.05	.06
Chlorate, 112 lb bags wks	.08%	.08%
bags	.06	.08
Chromate 800 lb bbl	...	.08
Cyanide 98-98% 100 & 250 lb drums wks	...	.30
e-l wks	...	.19
Imp., 95-97% 100 lb drs	...	.19
e-l wks	...	.18
Fluoride, 300 lb bbls, wks	.08%	.09
Imp., 700 lb cks	.09	.10
Hydroxide, see Soda Caustic		
Hypochlorite Soln 100 lb cks	...	.05
14% soln., 50 lb cks	...	.04
Hydrosulfite, 200 lb. bbls for wks	.23	.24
Fur Stripping 50 cans	.30	.25
HYPOSULFITE, tech., pes. crys.		
375 lb bbls, wks 100 lb	2.65	3.05
Bbls, e-l wks	...	2.50
100 lb. bags wks	2.80	2.90
Imp.	2.75	3.00
Regular crys., bbls, wks 100 lb	2.40	2.65
Bbls, e-l wks	2.40	2.50
Kags, wks	2.35	2.45
Imp.	2.35	2.45
Metanilate, 150 lb bbls	.70	.75
Molybdate 100 lb bags	...	1.10
Naphthionate, 300 lb. bbls	.55	.57
Nitrate crude, 95% 300 lb bags e-l NY	...	2.60
Dec-shipment	...	2.60
Double Refined 400 lb bbls	...	
Gran. e-l wks	...	.08%
Nitrite, 500 lb bbls spot mks	.08%	.09
Imp., 650 lb casks	.08%	.09
Ortho-Chloro-Toluene Sulfonate		
175 lb bbls, wks	.25	.27
Oxalate, neutral, 100 lb. bags	.20	.23
Perborate, 275 lb bbls	.21	.22
Imp., 225 lb drs	.21	.22
Peroxide, 200 lb cases	.23%	.24
Phosphate, di-sodium tech 550 lb Bbls	3.25	3.55
Imp.	...	3.25
USP, Gran., 275 lb bbls	.07	.07%
Imp. Gran.	.04%	.05%
USP, Cryst, 275 lb bbls	.07%	.08
Monoc-sodium 100 lb bags	.30	.31
Tri-sodium tech e-l bbls 100 lb	...	3.90



There's a "gold standard" of value in every industry. In Alkali, of course, it's SOLVAY!

Solvay Sodium Nitrite

Solvay 58% Soda Ash

Dense—Light

Solvay Fluf (Extra Light Soda Ash)

Solvay 76% Caustic Soda

Solid—Flake—Ground

Solvay Super Alkali

Solvay Snowflake Crystals

(Trademark Registered)

Solvay Laundry Soda

Solvay Cleansing Soda

Solvay Tanners Alkali

Solvay Tanners Soda

Solvay Liquid Caustic Soda

Solvay Calcium Chloride 73%—75%



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Sodium Picramate
Toluene

SODIUM (Continued)		
Picramate, 100 lb. bags	..	.69
Para-Toluenesulfonate 175 lb	..	
bbls	..	.08 : .09
PRUSSIAN, yellow, 350 lb bbls	..	
wks	..	.11
Imp., 50 lb cks	..	.10% : .11
Pyrophosphate, 100 lb kegs	..	.13% : .14
Salicylate, 100 lb. kegs	..	.27 : .28
Silicate, 40° turbid, tanks	..	
wks	..	.75
55 gal. drums wks	..	.85 : 1.10
40° clear, tanks wks	..	.10 : 1.10
55 gal. drs. wks	..	1.30 : 1.45
42° turbid drs., wks	..	.80
55 gal. drs. wks	..	.90 : 1.15
42° clear, tanks, wks	..	1.25
55 gal. drs., wks	..	1.85 : 1.75
Silicofluoride, 450 lb bbls NY	..	.04% : .05
Stannate, 100 lb drums	..	.48% : .49
Sulfanilate 400 lb bbls	..	.16
Sulphate, see Glauber's Salt	..	
Sulfate, anhydrous 550 lb bbls	..	
e-l wks	..	.02% : .03%
Imp., 250 lb bbls	..	.01% : .03
Sulfoxide, 40% solid, 650 lb drs.	..	
e-l wks	..	.03% : .04
Dr., e-l wks	..	.08% : .08%
Imp., 700 lb drs. NY	..	.08 : .08%
90% brkn, 650 lb drs wks	..	.04 : .04%
Dr., e-l wks	..	.03%
80% crys., 440 lb bbls wks	..	.02% : .02%
Imp., 400 lb bbls	..	.02% : .02%
Sulfite, crys., 400 lb bbls wks	..	.08% : .08%
Anhydrous, USP, 100 lb kegs	..	.08% : .09
Sulfocarbamate, USP, 100 lb kegs	..	.33 : .34
Sulfocyanide, 400 lb bbls	..	.40 : .45
Tungstate, crys., 100 lb kegs	..	.80 : .82%
SOLVENT NAPHTHA, 110 gal.		
dr. wks	..	.40
8,000 gal. tank crs wks gal.	..	.35
STRONTIUM, Bromide, USP, 50 lb.		
bags	..	.81 : .85
Carbonate 600 lb bbls wks	..	.07% : .07%
100 lb kgs. wks	..	.08
Nitrate, 600 lb bbls NY	..	.08 : .08%
Imported, bbls NY	..	.08 : .08%
SULFUR		
Crude, fob., mino	..	18.00 : 18.00
Brinstone Broken Rock 350 lb bgs	..	
e-l	..	2.05
Less e-l bbls NY	..	2.35 : 2.55
Roll, 150 lb bgs e-l NY 100 lb	..	.25 : 2.25
Less e-l bbls. NY	..	2.65 : 2.85
Flour, Heavy bgs e-l	..	2.50
Light, 100% bgs e-l	..	2.00
Rubberskate 100% 340 lb	..	
bbls., e-l bags NY 100 lb	..	2.60
Comm'l 99% e-l 150 lb bgs	..	
NY	..	1.45
For Dyeing, e-l 99% 100 lb	..	
bags, NY	..	2.40
Flowers, 100% 155 lb bbls	..	
NY e-l	..	2.45
Precipitated 125 lb bbls NY	..	.17
Lac., 125 lb bbls NY	..	.13
Sulfur Chloride, red, 700 lb drs.	..	
wks	..	.05 : .05%
150 lb cks wks	..	.06% : .06%
Yellow, 700 lb drs wks	..	.03% : .04%
Sulfur Dioxide, 100 lb cpl	..	.17 : .19
Sulfuryl Chloride, 600 lb drs.	..	.65 : .70
Tar Coks Oven, Ths., wks	..	.07 : .08
Water Gas, Ths., wks	..	.08
Terra Alba No 1 300 lb bbls 100 lb	..	1.85 : 1.90
Tetralene, 50 gal. drs wks	..	.30
Thiocarbamid, 170 lb bbls	..	.22 : .24
TIN, metal Straits NY	..	.71%
99% American NY	..	.71
Bichloride, 50% sol'n, 100 lb	..	
bbls wks	..	.19%
Crystals, 500 lb bbls wks	..	.47
100 lb kegs wks	..	.47%
Oxide, 300 lb bbls wks	..	.72
100 lb kegs wks	..	.74
Recovered bbls	..	.68
Tetrachloride, 100 lb drs wks	..	.40
Titanium Oxide bbls., wks	..	.13 : .14
Toluidine, 350 lb bbls	..	.90 : .94
Sulfate, 350 lb bbls	..	.80 : .85
Toluene, 8,000 gal. tank cars wks gal.	..	.85
110 gal. drs wks	..	.40
Nitration, Tank cars wks	..	.37
Drums wks	..	.43
Non-corrosive tank crs wks gal.	..	.30
Drums, wks	..	.41

Chemicals

OILS AND FATS

Castor Oil—Since the recent advance of $\frac{1}{2}$ c lb on higher raw material costs, sales have been in average volume at 13c@13 $\frac{1}{2}$ c lb for No. 1 in bbls.; 14c@14 $\frac{1}{2}$ c lb cases and 12 $\frac{1}{2}$ c@13c lb for No. 3.

Chinawood Oil—The easy trend continues in all quarters. Consuming interest is small and spot oil is quoted in some directions at 13 $\frac{1}{4}$ c lb. Others are asking 14c@14 $\frac{1}{4}$ c lb with little consuming business quoted at either level. Futures from the Coast in tanks are offered at 10 $\frac{3}{4}$ c lb for several months ahead.

Coconut Oil—The market is still soft and routine and prices are again fractionally lower this week at 9 $\frac{3}{4}$ c@9 $\frac{1}{4}$ c lb in bbls. for Ceylon and Manila on spot. Tanks on the Pacific Coast are quoted at 7 $\frac{3}{4}$ c@8c lb for both grades.

Cottonseed Oil—Is holding steady at about the 8c level. At the close of last week sales of P. S. Y. were of fair volume and the market was devoid of features. Crude oil in the Southeast was a bit easier at 6 $\frac{1}{4}$ c lb and ranged to 6 $\frac{3}{4}$ c lb.

Greases—The better tone apparent early last week is still in evidence and the advance on choice white on spot has been maintained. Interest has slackened a bit, but all grades are unchanged and steady at the quoted levels.

Lard Oil—The advances of last week are being held and though prices have been maintained and buying at this time is spotty, sellers are quoting: 15 $\frac{1}{2}$ c lb for edible prime; 14c lb for off prime; 12 $\frac{1}{2}$ c lb for extra; 10 $\frac{1}{2}$ c lb for extra No. 1; 10 $\frac{1}{4}$ c lb for No. 1 and 10c lb for No. 2.

Linseed Oil—With makers holding the market at 10.9c lb on open quotations, it is freely admitted that on bids 10.5c@10.6c lb could be done for raw oil in barrels on spot. The consuming trades are buying in a very limited manner and the position in all markets is easy.

Neatsfoot Oil—Demand is small following the reductions of last week and the undertone continues easy. Sellers quote 15 $\frac{1}{4}$ c lb for 20 deg. and C. P.

Oleo Oil—No. 1 oil in barrels is off $\frac{3}{4}$ c lb to 10 $\frac{1}{2}$ c lb on spot with No. 2 and No. 3 unchanged at 9 $\frac{3}{4}$ c lb and 9 $\frac{1}{2}$ c lb respectively.

Toluidine
Corn Oil, Crude

Toluidine, Mixed, 900 lb drs wks	..	.31 : .33
Toner Lithol Red bbls	..	.85 : .91
Para Red bbls	..	.75 : .80
Toluidine, .....	..	1.75 : 1.80
Triacetin, 50 gal. drs wks	..	3.60 : 3.90
Tribromphenol, 100 lb cases	..	1.10
Triphenylguanidine	..	.70 : .77
Triphenyl Phosphate, 450 lb bbls	..	.77
Tungsten, NY	..	10.75 : 11.00
Titramarine Blue	..	.13 : .28
Urea, Pure, 112 lb cases	..	.18 : .30
Venetian Red	..	.60
Vermillion Amer., 100 lb bags	..	1.55
English kegs	..	1.55 : 1.60
WHITE LEAD, see lead, white		
XYLENE, 3° dist. range nitration		
110 gal. drs., NY	..	.60
5° dist. range, 8,000 gal. tanks	..	
wks	..	.45
110 gal. drs wks	..	.50
10° dist., range drms wks gal.	..	.43
Tanks, wks	..	.38
Com'l. 110 gal drs wks	..	.41
Tanks wks	..	.36
Xylydine crude	..	.30
Refined	..	.28 : .40
METAL high grade steel		
e-l NY	..	7.35
Ammonium Chloride, powd. 400 lb	..	
bbls	..	.06%
Carb., tech. bbls NY	..	.09% : .10
USP, 100 lb kegs	..	.20
Chloride, fused 600 lb drs wks	..	.06
Dr., e-l wks	..	.05%
Granulated, 500 lb bbls wks	..	.08% : .08%
Imported dr NY	..	.08% : .08%
Solution 50% tanks wks 100 lb	..	3.00
Cyanide, 100 lb. drs	..	.40 : .41
Dust, 100 lb. time wks	..	.10
500 lb bbls kegs e-l wks	..	.09
500 lb bbls kegs e-l wks	..	.09%
Oxide, Amer., Bags wks	..	.07% : .07%
Amer 300 lb. bbls wks	..	.07% : .07%
French, 300 lb bbls wks	..	.10% : .13%
Bbl. e-l wks	..	.10% : .13%
Bags e-l wks	..	.10% : .13%
USP, 100 lb bbls e-l	..	.14
10-25 bbl lots	..	.15
5bbl lots	..	.16
1bbl lots	..	.17
Imported, white seal, bbls	..	.13 : .13%
Green seal, bbls	..	.11% : .13
Red seal, bbls	..	.10% : .11
Stearate, USP, 50 lb bbls	..	.31% : .34
Sulfate, 400 lb bbls wks	..	.03 : .03%
Sols e-l wks	..	.03% : .03%
USP, 100 lb bbls	..	.08 : .09
Sulfide, 500 lb bbls	..	.30 : .33
Sulfocarbamate, 100 lb kegs	..	.39 : .40
Zincum, oxide, pure	..	.45 : .50
Semi-refined bags	..	.08 : .10
Natural, bags	..	.02% : .03

Oils & Fats

Castor, No. 1, 400 lb bbls	..	.13 : .13%
80 lb cases	..	.14 : .14%
No. 3, .....	..	.12% : .13
Blown, 400 lb bbls	..	.18
China Wood bbls spot N Y	..	.13% : .14%
Tanks, Spot NY	..	.12% : .12%
Coast tanks	..	.10% : .11
Coconut Ceylon 375 lb bbls NY	..	.09% : .09%
8,000 gal tanks NY	..	.08
Cochin, 375 lb bbls NY	..	.10% : .10%
Tanks, NY	..	.09%
Manila bbls NY	..	.09% : .09%
Tanks, NY	..	.08 : .08%
Tanks Pacific Coast	..	.07% : .08
Edible bbls NY	..	.12 : .12%
Cod Newfoundland, 50 gal. bbls gal.	..	.66 : .68
Tanks, N Y	..	.59 : .61
Cod Liver, see Cod Liver Oil under Chemicals		
Copra, bags	..	.08 : .08%
Corn, ref., 375 lb bbls NY	..	.14 : .14%
Tanks	..	.13 : .13%
Crude tanks mills	..	.07% : .07%
Bbls NY	..	.10 : .10%



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ATLANTA

GEORGIA

**Cottonseed Oil, Crude
Whale Oil, Crude**

Cottonseed Crude, mill	..06%	..06%
PSY, 100 bbls spot	..08	..08%
Jan-Feb	..08	
White, 100 bbls lots NY	..13%	
Winter yellow 100bbls NY		
Degras, Amer., 50 gal. bbls NY	..04%	..04%
English, light bbls NY	..05%	..05%
Brown, bbls NY	..04%	..04%
Light brown, bbls NY	..04%	..04%
Dark, bbls NY	..03%	..04
Neutral, bbls NY	..07%	..13
Moellon, bbls, NY	gal.	..50
Greases choice white bbls NY	..10%	
Yellow	..06%	
House	..06%	
Brown	..06	
Herring, Tanks, Coast	gal. nom.	nom.
Horse, 375 lb bbls NY	..10	nom.
Lard, prime steam bbls	..13%	..14
Compounds, bbls	..13%	..14
LARD OIL, edible prime	..15%	
Off prime bbls	..14	
Extra bbls	..12%	
Extra, No. 1, bbls	..10%	
No. 1 bbls	..10%	
No. 2, bbls	..10	
LINSEED, raw c-1 bbls spot	..10.9	
Fire bbls raw	..11.3	
Tanks, raw	..10.3	
Bld, 50 lb lot wks	..11.5	
Bld boiled wks	..11.6	
Oct Dec c-1 wks	..10.9	
Imported bbls NY	gal.	
Tanks, NY	gal.	
Menhaden, crude tanks, Balt	gal.	..47%
Light pressed, bbls NY	gal.	..65
Yellow, bleached bbls NY	gal.	..68
Extra bleached bbls NY	gal.	..70
Blown bbls NY	gal.	..10
Mineral Oil, white, 50 gal. bbls	gal.	..80
Rumex oil	gal.	..95
Neatsfoot 20° ct., bbls NY	..15%	
Pure bbls NY	..13%	
CP bbls NY	..15%	
Extra bbls NY	..10%	
No. 1 bbls NY	..10%	
Oleo Oil, No. 1, bbls NY	..10%	
No. 2, bbls NY	..09%	
No. 3, bbls NY	..09%	
OLIVE, denatured bbls NY	gal.	1.40
Edible, bbls NY	gal.	2.00
Foots bbls NY	..09%	..09%
Shipments	..08%	..08%
Palm Lagos, 1,500 lb casks	..08%	..08%
Niger casks	..07%	..07%
Bonny Old Calabar casks	nom.	
Palm Kernel bbl NY	..09%	..10
Casks	..09%	..09%
Peanut refined bbls NY	..14%	..15
Crude, mills buyers' use	..13	
Crude, bbls, NY	..14%	
Perilla bbls NY	..13	..13%
Tanks, NY	..10%	..11
Poppynseed, bbls NY	gal.	1.70
Rapeseed bbls NY Japanese	gal.	..78
English	gal.	..84
Blown bbls NY	gal.	1.00
Red Oil, distilled bbls	..10	..10%
Tanks	..08%	
Saponified, bbls	..10%	..11
Tanks	..09	
Salmon, 9,000 gal the Coast	gal.	..50
Sardine, Tanks, Pacific Coast	gal.	..47
Sesame edible yellow bbls	..11%	..12
White	..14	..15
Sod Oil, bbls, NY	gal.	..40
SOYA BEAN, crude the Pac Ost	..08%	..09
Crude, the NY	..10%	
Crude, bbls, NY	..12	..12%
Refined bbls NY	..13	
Sperm, 38° ct., Michl, bbls NY gal.	..85	..86
45° cold test Michl bbls NY gal.	..83	..84
STEARIC ACID		
Double pressed, bags dist.	..13%	..13%
Double pressed, bags saponified	..13%	..13%
Carlota	..13	
Triple pressed bags dist.	..13%	..13%
Carlota	..15	
Stearine Oleo bbls	..09%	
Tallow edible tierces	..10	
City Extra loose	..07	
Tallow Oil, acidless the NY	..08%	..08%
Bbls c-1 NY	..10	
Wheat, not winter bbls NY	gal.	..75
Blind, winter bbls, NY	gal.	..75
Blind, bbls, NY	gal.	..80
Crude No. 1, tanks coast	gal.	..80
Crude No. 2, tanks coast	gal.	..80
Crude No. 3, tanks coast	gal.	..80

Oils & Fats

Olive Oil—Denatured oil is in better supply here and buyers are less anxious to take on stocks with the result that spot prices are lower at \$1.38@1.40 lb. Foots are in small supply and very firm with sales made early this week at 9½¢ @9¾¢ lb on spot. Shipment offerings are practically on a par with this figure.

Palm Oil—Market is in a soft condition and the past week has witnessed shading to 8¼¢@8½¢ lb for Lagos and 7½¢@7¾¢ lb for Niger. The turnover has been small.

Palm Kernel Oil—As with palm oil the position is easy and the trend downward. Offers are heard at 9½¢@9¾¢ lb in casks and 9¾¢@9¾¢ lb in bbls.

Rapeseed Oil—On the routine interest all grades of oil are again lower with quotations heard at 78¢ @80¢ gal. for Japanese; 84¢@88¢ gal. for English; \$1.00@1.03 gal. for blown oil, all on spot.

Red Oil—Sales continue in a brisk manner with leading makers holding the price firm at 8¾¢ lb for distilled in tanks and 9¢ lb for saponified in tanks.

Soya Bean Oil—The movement is rather limited and with interest routine prices are easy and subject to shading.

Stearic Acid—In good demand from all quarters.

**INDUSTRIAL
RAW MATERIALS**

Beeswax—Although moving in good volume for this season, dealers have lowered their prices a bit and are now accepting orders at 45½¢ @46¢ lb for refined yellow and 55½¢@56¢ lb for white.

Blood—Last week witnessed an advance in the price of dried blood in New York to \$3.85 unit. Scarcity of available stocks rather than demand was responsible as the buyers are still holding aloof from purchasing. Chicago and South American are unchanged.

Bone Meal—Imported 3 and 50% was sold last week at \$28.00 ton in one quarter with most sellers holding for \$29.00@29.50 ton. The market is steady and an average demand is in evidence. Domestic is steady at \$30.00@32.00 ton, Chicago.

Carnauba Wax—No relief in the tight position has taken place over the week. Sales in a limited way

**Yolk Oil
Glue**

Yolk Oil, bbls	..11	..13
Turkey Red Oil, single bbls	..14	..16
Double		
Walnut, crude bbls NY		

**Industrial
Raw Materials**

Albumen, Egg edible	..86	..88
Tech., 100 lb drs	..83	..85
Blood, 225 lb bbls	..45	..55
Vegetable edible	..60	..61
Technical	..50	..53
Ammonium Sulfate, See Chemicals		
Annatto, fine	..41	..48
Arrhill, double 600 lb bbls	..13	..14
Triple, 600 lb bbls	..16	..17
Cane, 600 lb bbls	..18	..20
Asbestos, c-1	ton. 16.60	18.00
le-1	ton. 20.00	22.00
Bee Wax, white cases	..88	..88
Yellow, refined cases	..46	..48
Crude, bags	..40	..41
Commercial, cs.	..37	..38
Blood dried fob NY	unit	3.85
Chicago	unit	4.35
S Am Shipment	unit	3.80
Bone Raw, Chicago	ton 30.00	31.00
Bone Meal, 3 & 50 imp	ton 28.00	29.00
Bone Ash, 100 lb kegs	..06	..07
Black, 200 lb bbls	..08	..08%
Candlelth Wax, bags	..33	..35
Carnauba Wax, Flor., bags	..50	nom.
Powd.	..60	nom.
No. 1, Yellow bags	..88	..90
No. 2, regular bags	..68	..70
No. 2, N. Country bags	..38	nom.
No. 3, N. Country bags	..38	..40
No. 3, chalky bags	..38	..40
CHARCOAL		
Hardwood, lump, bulk wks	..18	..19
Spot NY	..34	..26
Wood, powd., 100 lb bbls	..04	..08
Willow, powd 100 lb wks bbls	..08	..08%
Chestnut, clarified, 35% the, wks	..01%	..01%
Bbls, wks	..03%	..02%
Powd., 80% 100 lb bags wks	..05%	..05%
Decolorized bags wks	..08%	..07
Cudbear, English	..17	..19
Cutch Rangoon 100 lb bales	..15	
Tablets, 120 lb boxes	..13	..14
Borneo solid, 100 lb bales	..05%	..05%
Cyanamide, bulk, c-1 wks Amm unit	1.82%	1.90
Imp.	1.80	1.85
Dextrin, white corn 140 lb bags	..3.87	
c-1	..3.97	
bags c-1	..3.92	
Canary	..4.02	
bags le-1	..4.02	
Potato, white 220 lb bags le-1	..08%	
Yellow, 220 lb bags	..08%	
Tapioca, 200 lb bags le-1	..08	..08%
Divi Divi Extract	..04	nom.
Pods, bags ship	ton 41.00	42.00
EARTH, Diatomaceous, see Kieselsuhr		
Egg Yolk, 200 lb cs	..72	..74
Peter Gums		
Dark, 280 lb. bbls.	..13%	..14
Light, 280 lb. bbls.	..14	..14%
Fish Scrap, dried wks	unit 4.15	4.10
Acid Bulk F & S, Dally.		
Norfolk & Balt bbls	unit 2.50	2.50
Flavine Lemon 55 lb cs	..90	..95
Orange 70 lb cs	..85	..90
Food Flour	..03%	..04
Fustic, solid 50 lb boxes	..30	..35
Crystals, 100 lb boxes	..30	..35
Liquid, 51°, 600 lb bbls	..09	..10
Fustic, sticks	ton 30.00	32.00
Chips	..04	..05
Gall extract	..30	..31
Gambier 25% liq., 450 lb bbls	..13	..14
Common 200 lb cases	..08	..09
Singapore cubes, 150 lb bags	..33	
Gelatin, Technical 100 lb cs	..45	..50
Glucose (Grape Sugar) dry 70°		
bags c-1 NY	..3.14	3.24
80° bags c-1 NY	..3.34	3.24
Tanner's Spd 100 lb bags 100 lb	..3.14	
GLUE, pure white bbls	..33	..36
Medium white, bbls	..30	..34
French bbls	..13	..35
High Grade, bbls	..33	..40
Bone, regular, bbls	..10	..13
Fish, bbls	gal. 1.50	1.75
Fish bbls	..14	..34

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Ethyl Acetyl Glycolate—98%

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Zinc Chloride

Gums
Oak Bark

Industrial Raw Materials

Osage Orange
Whiting

GUM, Aceroides, Red, coarse and fine, 140-150 lb bags	.034	.04%
Powdered, 150 lb bags	.08	.06%
Aceroides, Yel. 150-200 lb bags	.18	.30
Anini (Zambiar) Bean and pea		
250 lb. cases	.40	.45
Heavy, 250 lb cases	.60	.65
Asphaltum, Barbadoes, Manjak		
200 lb bags	.09	.13
Egyptian, 200 lb. cases	.15	.17
Glaucite select 150 lb bags ton	55.00	60.00
Benzoin, Sumatra, Tech., 120 lb cases		
Copal, Congo, 112 lb bags	.30	.32
Water White, . . . . .	.35	.36
Light Amber, . . . . .	.12 1/4	.14
Dark Amber, . . . . .	.08 1/4	.09
Clear Opague, . . . . .	.12	.13
Copal, East Indian 224 lb cases		
180 lb bags—		
Pale, E. I. Solid . . . . .	.18	.18 1/4
Pale, E. I. Chips . . . . .	.07 1/4	.08
180 lb. bags—		
Copal, Manila, 180-190 lb bags—		
Pale Solid, Loba A. . . . .	.16	.16 1/4
Pale Solid, Nuts, Loba B. . . . .	.15	.15 1/4
Pale, Solid, Loba C. . . . .	.14 1/4	.15
Pale Nuts, P.N. . . . .	.14	.14 1/4
Pale Solid, 224 lb cases . . . . .	.16	.16
Copal, Pontianak 224 lb cases—		
Pale, Solid, genuine No. 1 . . . . .	.28	.28 1/4
Pale, genuine split chips . . . . .	.19	.19 1/4
Damar, Batavia, standard		
136 lb cases . . . . .	.25 1/4	.26
Batavia E Seeds 136 lb cases . . . . .	.18 1/4	.19
Batavia, F Splinters, 180 lb cases and bags . . . . .	.09	.09 1/4
Batavia, Dust 160 lb bags . . . . .	.07	.07 1/4
Singapore No 1 224 lb cases . . . . .	.24	.24 1/4
Singapore No. 2 224 lb cases . . . . .	.21	.21 1/4
Singapore No. 3 180 lb bags . . . . .	.11	.11 1/4
Kiomi, No. 1 80-85 lb cases . . . . .	.15	.16
No. 2 80-85 lb cases . . . . .	.14	.15
No. 3, 80-85 lb cases . . . . .	.12	.13
Kauri No. 1 224-226 lb cases . . . . .	.07 1/4	.08
No. 2, fair pale 224-226 lb cases . . . . .	.44 1/4	.45
Bush Chips, 224-260 lb cases . . . . .	.42	.43
Pale Chips, 224-260 lb cases . . . . .	.24 1/4	.26
Brown Chips, 180-200 lb bags . . . . .	.14 1/4	.16
Sandarac Prime quality 220 lb bags and 300 lb casks . . . . .	.25	.27
Graphite, crude, 220 lb bags	15.00	36.00
Flake, 500 lb bbls . . . . .	.05	.09
HEMATINE, Paste, 500 lb bbls . . . . .	.09	.12
Crystals, 400 lb bbls . . . . .	.12	.20
Hemlock, 25% 400 lb bbls via . . . . .	.08 1/4	.09 1/4
Bark,		16.00
Hypericite, 51% 400 lb bbls . . . . .	.12	.15
Indigo Madras bbls	1.28	1.50
30% pure . . . . .	.14	.14
Japan Wax 224 lb cases . . . . .	.26	.27
KIESELGUM, 95 lb bags NY	60.00	70.00
Larch 25% 400 lb bbls via . . . . .	.03 1/4	.04
Powd., 100 lb bags via . . . . .	.08	.09
Logwood 51% 400 lb bbls . . . . .	.08 1/4	.08 1/4
Lower grade . . . . .	.07 1/4	.08
Solid, 50 lb boxes . . . . .	.13	.15
LOGWOOD, sticks	26.00	27.00
Chips, 150 lb bags . . . . .	.03	.03 1/4
Madder, Dutch . . . . .		.30
Mangrove, 55% 400 lb bbls . . . . .	.03 1/4	nom.
Mangrove, bark, African		36.00
Marble Flour, bulk	10.00	12.00
See also Calcium Carbonate under Chemicals		
Montan Wax, crude bags . . . . .	.04 1/4	.07
Bleached bags . . . . .	.24	.27
Myrobalans, 25% liquid bbls . . . . .	.04	.04 1/4
50% solid, 50 lb boxes . . . . .	.04	.08 1/4
Myrobalans, bags J1	43.00	44.00
J2		
New crop	30.00	31.00
J3		
New crop	31.00	32.00
Nitrogenous Material bulk,		3.60
OUTGALLS, Chinese, bags . . . . .	.17	.18
Alcepy bags . . . . .	.25	nom.
Powd. bags . . . . .	.23	.24
Oak bark, whole	20.00	23.00
Ground	45.00	50.00
Oak, tanks, via . . . . .		.03 1/4
33-35% liq. 600 lb bbls via . . . . .	.04	.04 1/4
Solid, powd. . . . .	.07 1/4	.08

are being made for No. 1 yellow at 88c@90c lb. No. 2 is also quite firm and in demand at 68c@70c lb. The lower grades are in plentiful supply and moving in a small way.

Divi Divi—There is some interest in futures after the first of the year, but for spot and nearby the market is quiet at \$41.00@42.00 ton.

Gums, Varnish—Continues in about the same position with a routine demand and limited stocks holding the market on a level keel. Lower shipment prices on standard Batavia damar have accounted for a spot reduction on 25 1/2c@26c lb. Sandarac is also a bit easier at 25c@25 1/2c lb.

Japan Wax—Continues its very firm position with sales being made in a limited way at 26c@27c lb on spot and futures costing the dealers here 23 1/2c@24c lb. In some quarters importers are asking even higher prices, but in general the market is as above.

Myrobalans—Firmer dispatches from abroad have advanced the spot price on R2 and J2 to \$30.00@ \$31.00 ton for prompt shipment. J1 is unchanged. The position here is also firm.

Rosin—The local market showed slight declines in practically all grades, although the market is practically on a par with last week's quotations. Statistically the market is firm, particularly on the fine grades, with demand in fair volume. Current quotations are: B, D, \$12.65; E, F, \$12.70; G, H, \$12.75; I, \$12.80; K, \$14.00; M, \$14.50; N, \$15.25; WG, \$16.50; WW, \$18.25.

Tankage—Has shown no change over the week. Buyers are taking parcels in as limited quantities as possible and the market is generally routine. South American was reduced last week to \$4.10 and 10c unit and has created some interest at this level.

Turpentine—For the week the local market showed reductions of about 1 1/2c gal, but rallied at the close to its present level. Sales in some volume are being made at 87 1/4c@93 1/4c gal.

Wattle Bark—Has been on the advance for some weeks and at present dealers are quoting \$47.50 ton for futures. The interest in spot and nearby parcels is slight, but buyers are watching the future market with interest.

Osage Orange 51° liquid . . . . .	.07	.07 1/4
Powd, 100 lb bags . . . . .	.14 1/4	.15
Crystals . . . . .	.16	.17
Paracoumarone, 230 lb. drums . . . . .	.12	.15
Paraffin, ref'd. 200 lb. cases		
118-120 deg. M.P. . . . .	.08	.09
123-127 deg. M.P. . . . .	.06 1/4	.06 1/2
128-132 deg. M.P. . . . .	.07 1/4	.07 1/2
133-137 deg. M.P. . . . .	.08	.08 1/2
138-140 deg. M.P. . . . .	.08 1/4	.10
Phosphate Acid, 16% Bulk via unit	82 1/2	.65
Phosphate Rock, feb., mines		
Florida Pebble 68%	3.00	3.25
Florida Pebble 70%	3.50	3.65
Florida Pebble 72%	3.85	4.00
Florida Pebble, basis 75%-74%		5.25
Florida Pebble, 75%		5.40
Florida Pebble, basis 77%-76%		6.00
Tennessee, 72%		5.50
Pine Oil, stm., dist. bbls . . . . .		.66
Destructive dist. . . . .	.63	.64
Prime	8.00	10.00
Plaster Paris, tech., 250 lb bbls		3.30
Pumice Stone, lump, 250 lb bbls . . . . .	.04 1/4	.06
Lump, bags . . . . .	.04	.05
Powdered, 350 lb bbls . . . . .	.03 1/4	.03
QUEBRACHO, 35% liquid tis . . . . .	.08	.08 1/4
450 lb bbls c-l . . . . .	.03 1/4	.04
35% bleaching, 450 lb bbls . . . . .	.04	.05
Solid 63% 100 lb. bales c-l . . . . .	.04 1/4	.04 1/4
Clarified, 64% bales . . . . .		.05
Quercitron, 51% 450 lb bbls . . . . .	.06 1/4	.07
Solid, 100 lb. boxes . . . . .	.10	.13
Quercitron, bark, rough		14.00
Ground	34.00	35.00
Rosins (Solid in 600 lb bbls gross for net)		
B,	12.65	I, 12.80
D,	12.65	K, 14.00
E,	12.70	M, 14.50
F,	12.70	N, 15.25
G,	12.75	WG, 16.50
H,	12.75	WW, 18.25
(Sold in 600 lb bbls net, quotations based on a unit of 250 lb)		
Rosin Oil first run 50 gal bbls . . . . .		.66
Second run bbls . . . . .		.69
Rotten Stone lump imp. bbls . . . . .	.07	.08
Lump selected, bbls . . . . .	.09	.12
Powdered, bbls . . . . .	.03	.05
Domestic bags mines	24.00	30.00
Sago Flour 150 lb bags . . . . .	.04 1/4	.05
Shellac, T.N., bags . . . . .	.46	.47
Superfine bags . . . . .	.50	.51
Garnet, bags . . . . .	.45	.46
Bone dry, bags . . . . .	.55	.56
Spruce, 25% liquid tanks, via . . . . .	.01	.01 1/4
bbls . . . . .		.01 1/4
Powd. 50% 100 lb bags via . . . . .	.02	.02 1/4
Starch, rice, 140 lb bags . . . . .	.09	.10
Powd. 140 lb bags c-l		3.42
Bags c-l		3.52
Pearl, 140 lb bags		3.32
Bags c-l		3.42
Potato domestic, 200 lb bags c-l . . . . .	.04 1/4	.05
Imported bags duty paid . . . . .	.06 1/4	.06 1/2
Wheat, dom., thick bags . . . . .	.04 1/4	.07
Thin, bags . . . . .	.03 1/4	.10
Sol. Potato . . . . .	.04	.04 1/4
Sumac, extract, liq 450 lb bbls . . . . .	.08	.08
CP, 450 lb bbls		10 1/4
Stainless, 600 lb bbls . . . . .	.11	.11 1/4
Sumac, Stelly leaves 100 lb bags ton	130.00	nom.
Ground shipment	75.00	78.00
Virginia, 150 lb bags	55.00	60.00
ITALC, Italian 220 lb bags NY ton	40.00	50.00
Refined, white bags	50.00	55.00
French, 220 lb bags NY	80.00	85.00
Refined, white bags	38.00	45.00
Dom., crude, 100 lb. bags NY ton	12.00	15.00
Refined 100 lb bags NY	16.00	18.00
Tankage, ground NY	4.25	4.10
High grade fob Chicago	4.25	4.10
So. Am. cif.	4.50	4.10
Tapioca Flour, high grade bgs . . . . .	.04 1/4	.04 1/2
Medium grade, bgs . . . . .	.03 1/4	.03 1/2
Low grade, bags . . . . .	.03	.03 1/4
Tar, Kiln-burnt		14.50
Retort bbls		18.50
Tripoli, 500 lb. bbls	2.50	3.00
Turpentine Spirits, bbls . . . . .	.87 1/4	.93 1/4
Wood steam Dist. bbls . . . . .	.77 1/4	.83 1/2
Valonia Caps 30-31% tan	39.00	40.00
Beard, 42% tan bags	56.00	57.00
Mixture Bark, bags	42.50	43.00
Wattle Bark, bags	47.00	47.50
Extract 55% dbile bgs ex-dock . . . . .		.05 1/2
Whiting 200 lb bags c-l via 100 lb		1.25
Alba bags NY c-l		12.00
Gilders, bags NY c-l		1.25

PHENOL U.S.P.

Ice Crystals

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Ortho-Chlor-PHENOL 2:4-Di-Chlor-PHENOL

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ACID ACETYL SALICYLIC

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Import Manifests

IMPORTS AT NEW YORK

Dec. 10 to 18

ACIDS—Coal Tar, 6 drs., Merck & Co., Hull; Cresylic, 50 drs., Order, Liverpool; Formic, 147 carboys, Order, Hamburg; Oxalic, 81 cks., A Klipstein & Co., Rotterdam

ALBUMEN—Blood, 20 cks., Pfaltz & Bauer, Hamburg

ALCOHOL—Denatured, 79 drs., J C Browne, St Croix; 130 drs., 85 bbls., C Esteve, San Juan; Methy., 200 drs., Kuttroff Pickhardt & Co., Rotterdam

ALDOL—1 dr., Kuttroff Pickhardt & Co., Rotterdam

AMMONIUM—Carbonate, 10 cs., Standard Bank of South Africa, Liverpool; Muriate, 180 cks., Kuttroff Pickhardt & Co., Rotterdam; 490 cks., Kuttroff Pickhardt & Co., Rotterdam; Nitrate, 229 cks., Kuttroff Pickhardt & Co., Hamburg; Phosphate, 1 ck., American Cyanamid Co., Rotterdam

ANTIMONY—84 cks., S Fullwood, Newcastle; 500 bgs., Order, Valencia; Regulus, 500 cs., Order, Bremerhaven

AOLAN—3 cs., H A Metz, Hamburg

BARIUM—Chloride, 64 cks., Order, Antwerp

BARYTES—40 bls., A Hurst & Co., Hamburg; 1 lot, Ore & Chemical Corp., Rotterdam

BENZOYL CHLORIDE—160 carboys, Order, Hamburg

BLANC FIXE—734 cs., W Van Dorn, Rotterdam

CASEIN—418 bgs., National City Bank, Buenos Aires; 118 bgs., D C Andrews & Co., Buenos Aires; 10 bgs., Reiner & Co., Bordeaux

CHALK—500 tons, Taintor Trading Co., London; 60 cks., Order, Marseilles; 500,000 kil s., Kidder Peabody & Co., Dunkirk; 550,000 Kilos, Taintor Trading Co., Dunkirk; Precipitated, 500 bgs., 25 cks., H J Baker & Bro., Bristol; 400 bgs., H J Baker & Bro., Bristol

CHEMICAL COMPOUND—208 cs., Happel & McAvoy, Gen'a

CHEMICALS—50 bbls., W Schall & Co., Bremen; 13 bbls., J Falck & Co., Hamburg; 12 cks., Fezandie & Sperrle, Hamburg; 6 cks., Merck & Co., Hamburg; 14 cs., Order, Hamburg; 23 cks., H Sundheimer & Co., London; 2 bbls., Pacific Chemical Co., Hamburg; 8 cks., Jungmann & Co., Hamburg; 11 bgs., Dissoway Chemical Co., Hamburg; 210 pgs., Pfaltz & Bauer, Hamburg; 10 cs., Watson Geach & Co., Hamburg; 32 drs., R W Greeff & Co., Rotterdam; 65 cks., Roessler & Hasslacher Chemical Co., Rotterdam; 24 drs., R W Greeff & Co., Rotterdam; 200 drs., K Geiger Inc., Rotterdam; 125 cks., C Geiger Inc., Rotterdam; 218 cks., Roessler & Hasslacher Chemical Co., Rotterdam; 100 cks., Hummel & Robinson Corp., Rotterdam; 4 bbls., H Falck & Co., Hamburg; 21 cs., Agfa Products Inc., Hamburg; 4 cs., American Kreuger & Toll Corp., Hamburg; 64 cks., W A Foster & Co., Bremerhaven; 115 bbls., Roessler & Hasslacher Chemical Co., Rotterdam; 281 cks., Rhodia Chemical Co., Rotterdam; 180 demi-johns, American Bluefriesveen Inc., Rotterdam; 101 cks., Hummel & Robinson Corp., Rotterdam; 91 cks., Hummel & Robinson Corp., Rotterdam; 7 cs., G J Wallau Inc., Rotterdam; 100 bbls., Order, Rotterdam; Chemical Products, 56 cs., State Forwarding & Chipping Co., Havre

CLAY—100 cks., L A Salomon & Bros., Bristol; 284 bgs., Order, Bristol; 50 cks., Hammill & Gillespie, Rotterdam; 6 cks., M Greenbaum, Rotterdam; 10 cks., J Goebel & Co., Bremerhaven; China, 30 cks., C T Wilson Co., Bristol; 515 bgs., National City Bank, Bristol

COCHINEAL—25 bgs., American Trading Co., Liverpool; 33 bgs., Order, Liverpool

COAL TAR—Distillate, 42 drs., The Tar Acid Refining Corp., Liverpool; 137 drs., Order, Liverpool

COLORS—3 bbls., American Aniline Products Co., Antwerp; 4 bbls., Irving Bank Colum-

bia Trust Co., Antwerp; 34 bbls., National City Bank, Antwerp; 6 cks., 1 cse., General Dyestuff Corp., Hamburg; 10 cs., Eimer & Amend, Hamburg; 9 cks., Geigy Co., Inc., Hamburg; 85 cks., 1 cse., General Dyestuff Corp., Rotterdam; 5 cs., B F Drakenfeld & Co., Bremerhaven; 67 pgs., 20 cks., General Dyestuff Corp., Rotterdam; 9 cks., W J Byrnes & Co., Havre; 42 pgs., Ciba Co., Havre; 6 cks., Carbic Color & Chemical Co., Havre; 3 cks., Geigy Co., Havre; Bronze, 10 cs., Hensel Bruckmann & Lorbacher, Bremen; 27 cs., Illinois Bronze Powder Co., Bremen; 19 cs., J E Mandlik, Hamburg; 16 cs., Phoenix Shipping Co., Hamburg; 8 cs., Gallagher & Ascher, Hamburg; 22 cs., Massce & Co., Bremen; 6 cs., J J Shore & Co., Bremen; 5 cs., Eric R R Co., Hamburg; Coal Tar, 130 cks., 22 cs., General Dyestuff Corp., Rotterdam; 6 cs., 68 cks., General Dyestuff Corp., Rotterdam; Earth, 47 cks., Fezandie & Sperrle, Bremerhaven

COPRA—1,842 bgs., Franklin Baker Co., Manila

CROTON—6 drs., Kuttroff Pickhardt & Co., Rotterdam

DIVI DIVI—343 bgs., Selma Mercantile Corp., Curacao

EARTH—25 bbls., R J Waddell & Co., Leghorn; 5 bbls., Order, Leghorn; Yellow, 45 cks., Order, Bristol; Red, 25 cks., Order, Bristol; 480 bgs., G Z Collins & Co., Bristol; 45 cks., Reichard Coulston Inc., Bristol

EPSOM SALTS—1,000 bgs., Order, Bremen

ETHYL ACETYL GLYCOLATE—3 drs., Kuttroff Pickhardt & Co., Rotterdam

EXTRACT—Archil Liquor, 7 cks., W A Ross & Bros., Liverpool; Quebracho, 12,300 bgs., International Products Corp., Buenos Aires

FLUOR SPAR—151 bgs., Chemical National Bank, Hamburg

FULLERS EARTH—350 bgs., L A Salomon & Bro., London; 350 bgs., L A Salomon & Bro., Bristol

GELATIN—60 cs., American Express Co., Rotterdam; 60 cs., American Express Co., Rotterdam; 10 bgs., 51 bbls., 75 kgs., H A Sinclair, Rotterdam

GAMBIER—173 cs., Order, Singapore; 340 cs., Arbuthnot Latham & Co., Singapore; 1,700 cs., Order, Singapore; 330 cs., L Littlejohn & Co., Singapore

GLAUBER SALTS—105 bbls., Seaboard National Bank, Hamburg

GLUE—40 cks., 13 bls., British Bank of South America, Antwerp; 100 bgs., C B Hewitt & Bro., Liverpool; 75 bgs., Gallagher & Ascher, Liverpool; 300 bgs., National Gum & Mica Co., Bristol; 61 bgs., W E Miller, Havre; Bone, 400 bgs., N L Lederer, Rotterdam; 3 bbls., Madison Glue Co., Antwerp

GLYCERIN—36 drs., Precter & Gamble Co., Havana; 10 drs., Parsons & Petit, Hamburg; 5 bbls., Kress & Owen Co., Rotterdam; 50 drs., W Van Doorn, Rotterdam; 50 drs., Order, Rotterdam

GUMS—48 cs., Order, Bagdad; Arabic, 1,199 bgs., T M Duche & Sons, Port Sudan; Chiclé, 40 bbls., Thurston & Braidich, Vera Cruz; 1,000 sks., Chiclé Development Co., Vera Cruz; 63 bbls., Otto Gerdan Co., Progresso; 62 bls., J A Medina & Co., Progresso; Copal, 35 bgs., Grace National Bank, Antwerp; 75 bgs., Chemical National Bank, Antwerp; 299 bgs., W Schall & Co., Antwerp; 204 bgs., Order, Antwerp; 177 blks., 54 bgs., Order, Macassar; 11 cs., Order, London; 11 cs., Order, London; 247 bgs., 13 cs., W Schall & Co., Manila; 128 bgs., L C Gillespie & Sons, Singapore; 192 bgs., Chemical National Bank, Singapore; 140 bgs., Grace National Bank, Manila; Damar, 30 bgs., S Winterbourne & Co., London; 192 bgs., L C Gillespie & Sons, Singapore; 70 bgs., Brown Bros & Co., Singapore; 240 bgs., Order, Singapore; 88 bgs., Brown Bros & Co., Batavia; 100 cs., Order, Batavia; 100 cs., L C Gillespie & Sons, Singapore; 200 cs., Baring Bros & Co., Singapore; 50 cs., A Klipstein & Co., Sing-

Heavy Chemicals and Other Industrial Raw Materials.

apore; 210 bgs. 50 cs., Brown Bros & Co., Singapore; 50 cs., S Winterbourne & Co., Singapore; 310 bgs., 50 cs., Order, Singapore; 200 cs., Paterson Boardmann & Knapp, Batavia; 100 cs., Bank of Manhattan Co., Batavia; Harhab, 100 bgs., T M Duche & Sons, Port Sudan; 210 bgs., Thurston & Braidich, Port Sudan; 683 bgs., Order, Port Sudan; Kauri, 44 cs., Chemical National Bank, Auckland; 75 cs., G W S Paterson & Co., Auckland; 35 cs., Davies Turner & Co., Auckland; 334 sks., 114 cs., A Klipstein & Co., Auckland; 15 cs., 16 sks., S Winterbourne & Co., Auckland; 275 sks., 557 sks., 75 cs., Capitol National Bk., Auckland; 282 cases, 155 sacks, Order, Auckland; Tragacanth, 5 cs., Order, London; 10 cs., Order, Bagdad

HYDROSULFITE—Formaldehyde, 40 drs., E Ritter, Antwerp

INDIGO—19 cks., General Dyestuff Corp., Rotterdam

IRON OXIDE—13 cks., Reichard Coulston Inc., Liverpool; 23 cks., Order, Liverpool; 18 cks., J A McNulty, Liverpool; 5 cks., Weiss Forwarding Co., Liverpool; 120 bbls., Wishnick Tumpeer Chemical Co., Malaga; 367 bbls., C K Williams & Co., Malaga

LEAD—Acetate, 20 bbls., Superfos Co., Hamburg

LINAYL ACETATE—2 cs., Order, Hamburg

LITHOPONE—20 cks., M Harrison & Co., Antwerp; 40 cks., A Klipstein & Co., Antwerp; 540 cks., Benjamin Moore & Co., Rotterdam

MAGNESITE—22 bgs., H C Miller, Rotterdam; Calcined, 168 bbls., Brown Bros & Co., Rotterdam

MAGNESIUM—Carbonate, 45 cs., Schofield Donald Co., Liverpool

MANDELONA—66 cs., Habicht Braun & Co., Hamburg; 100 cs., A Nones & Co., Hamburg

MANURE SALTS—Quantity, Societe Comml Des Potasses D'Alsace, Antwerp; 407,200 kilos, Societe Comml Des Potasses D'Alsace, Antwerp

MINERAL WHITE—100 bgs., Whittaker Clark & Daniels, Hull

OCHRE—60 cks., Wishnick Tumpeer Chemical Co., Marseilles; 160 cks., J A McNulty, Marseilles; 26 cks., F B Vandegrift & Co., Bordeaux

OILS—Coconut, 850 tons, Philippine Refining Co., Manila; 428 tons, Spencer Kellogg & Sons, Manila; 880 tons, Philippine Ref Co., Cebu; Cod, 350 bbls., R Badcock & Co., Hull; 1 dr., Watson Geach & Co., Hull; 50 bbls., Order, Hull; 185 cks., R Badcock & Co., St Johns; 65 bbls., Bowring & Co., St Johns; Colza, 5 bbls., F B Vandegrift & Co., Rotterdam; Fusel, 22 cks., Schenkers Inc., Hamburg; 2 bbls., Order, Hamburg; Olive, 350 cs., Order, Leghorn; 100 cs., J Garneau & Co., Marseilles; 500 cs., J P Smith & Co., Marseilles; 115 cs., Order, Marseilles; 100 drs., Lazard Freres, Tarragona; 100 cs., B Spilliaides & Co., Malaga; 250 cs., National Shawmut Bank, Malaga; 250 cs., Banco Di Sicilia Trust Co., Malaga; 100 bbls., First National Bank, Malaga; 100 drs., Smith Weihman Oil Co., Malaga; 100 drs., 50 cs., Bowery & East River National Bank, Malaga; 100 cs., F Amari & Co., Malaga; 100 drs., Lazard Freres, Malaga; 100 cs., 75 drs., Order, Malaga; 100 cs., American Shipping Co., Palermo; 115 cs., P Martorelli, Naples; 205 drs., Kidder Peabody & Co., Malaga; Rape, 75 bbls., Order, Hull; 150 drs., Mitsui & Co., Kobe; Sardine, 100 tons, Cok Swan & Young Corp., Kobe; Sesame, 100 drs., J C Francesconi & Co., Rotterdam; Wood, 100 drs., Pacific Orient Co., Hongkong; 250 drs., W R Grace & Co., Hongkong

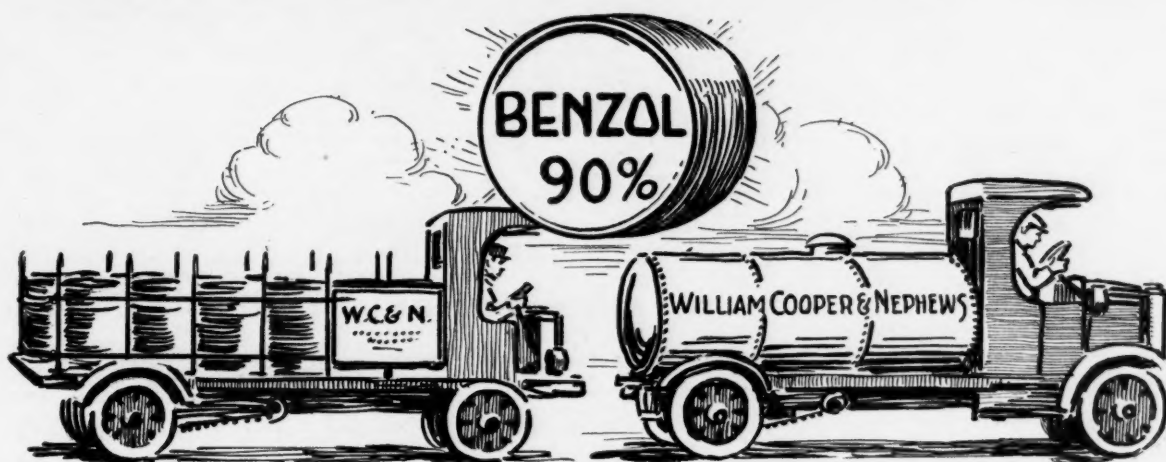
OXIDE—Red, 30 cks., J L Smith & Co., Hull

PALMYRA FIBER—20 bls., F H Cone & Co., Antwerp

PHOSPHATE—1,000 bgs., T M Duche & Sons, Antwerp

PHOSPHOR CHLOR—26 cks., Kuttroff Pickhardt & Co., Hamburg

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Cleveland, Ohio	H. L. Grund Co., 416 Bulkley Bldg.	Superior 3848
Akron, Ohio	R. A. Sperry, 134 E. Miller Ave.	Main 1898
Indianapolis, Ind.	H. T. VanNess, 123 N. Alabama St.	Lincoln 5374
St. Louis, Mo.	C. L. Iorns, 826 N. Clark St.	Garfield 0675
Minneapolis, Minn.	O. J. Friend & Co., Plymouth Bldg.	Atlantic 4297



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PITCH—Montan Wax, 900 bgs., Strohmeyer & Arpe Co., Hamburg

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PROTECTOL—19 cks., General Dyestuff Corp., Hamburg

PUMICE STONE—Lump, 6,417 bgs., 13 cks., J R Waddell & Co., Canneto Lipari; 7,891 bgs., 10 cks., J H Rhodes & Co., Canneto Lipari; 800 bgs., Order, Canneto Lipari; Powdered, 476 bgs., Whittaker Clark & Daniels, Canneto Lipari; 450 bgs., C B Chrystal Co., Canneto Lipari; 634 bgs., C B Chrystal Co., Canneto Lipari; 503 bgs., J R Waddell & Co., Canneto Lipari; 1,327 bgs., J H Rhodes & Co., Canneto Lipari; 250 bgs., Stone & Downer, Canneto Lipari; 430 cks., J H Rhodes & Co., Piraeus

QUICKSILVER—247 flasks, H W Peabody & Co., Alicante; 300 flasks, Haas Bros., Alicante; 48 flasks, Order, Vera Cruz

ROSIN—52 bbls., Dominion Naval Stores Corp., Monte Christi

SAL AMMONIAC—28 cks., Chase National Bank, Hamburg; 453 cks., Superfos Co., Rotterdam

SALTS—400 bbls., Roessler & Hasslacher Chemical Co., Antwerp

SELIGUM—1 dr., C H Watts & Co., Hull

SHELLAC—450 bgs., National City Bank, Calcutta; 100 bgs., Standard Bank of South America, Calcutta; 100 bgs., British Overseas Bank, Calcutta; 100 bgs., Chase National Bank, Calcutta; 250 bgs., Goldman Sachs & Co., Calcutta; 1,650 bgs., 85 cks., 40 cs. Order, Calcutta; 40 cs., 50 bgs., C F Gerlich, Rotterdam; Garnet, 72 bgs., A Hurst & Co., Hamburg; 100 bgs. Order, Hamburg; Seed Lac, 1,580 bgs., Order, Calcutta

SILVER—Sulfide, 54 cs., Watson Geach & Co., Antofagasta

SODIUM SALTS—Nitrate, 204 bgs., Kuttroff Pickhardt & Co., Hamburg; 12,943 bgs., Wessel Duval & Co., Antofagasta; 6,478 bgs., Anglo South American Trust Co., Antofagasta; 6,582 bgs., Antony Gibbs & Co., Antofagasta; 27,178 bgs., Wessel Duval & Co., Antofagasta; 4,595 bgs., W R Grace & Co., Iquique; Phosphate, 134 cks., Innis Speiden & Co., Antwerp; Silicate, 2 drs., Roessler & Hasslacher Chemical Co., Hamburg; Sulfate, 100 cks., Order, Rotterdam; Sulfite, 54 drs., H Hinrichs Chemical Co., Rotterdam; 50 drs., R F Downing & Co., Bristol; Uranate, 46 bgs., R Luber, Antwerp

SULPHUR—Lac, 4 cks., Lo Curto & Funk, Manchester; Precip, 4 cks., Lo Curto & Funk, Manchester

SUMAC—350 bgs., Order, Palermo; Leaf, 80 bbls., Order, Palermo

TALC—500 bgs., C Mathieu Inc., Genoa; 1,500 bgs., Italian Discount & Trust Co., Genoa

TAPIOCA—Flour, 285 bgs., Sino Java Hvg., Batavia; 500 bgs., Catz American Corp., Batavia; 570 bgs., Arabol Mfg Co., Batavia; Pearl, 295 bgs., Order, Penang; 655 bgs., First National Bank of Boston, Batavia; 214 bgs., Catz American Corp., Batavia

TAR—Birch, 19 drs., Order, London

TARTAR—188 bgs., C Pfizer & Co., Valencia; 945 bgs., Tartar Chemical Works, Marseilles; 800 bgs., C Pfizer & Co., Marseilles; 133 bgs., Royal Baking Powder Co., Bordeaux; 75 bgs., American Bluefriesveen Inc., Bordeaux

TEA WASTE—719 bgs., G W Sheldon & Co., London

UMBER—37 cks., Wishnick Tumpeer Chemical Co., Inc., Hull

VALONEA—5,406 bgs., Order, Smyrna

VENETIAN RED—90 cks., J L Smith & Co., Liverpool

WAX—3 bgs., Selma Mercantile Corp., Azua; 30 bgs., Mecke & Co., Azua; 8 bgs., J J Julia & Co., Barahona; 15 bgs., Schutte & Fock, Barahona; 4 sercons, J J Julia & Co., Monte Christi; Bees, 100 ballots, Order, Southampton; 23 bgs., National Bank of Commerce, Hamburg; 24 bgs., Brown Bros & Co., Hamburg; 30 cks., D Steengrafe,

Tampico; 10 bgs., Order, Tampico; 21 bgs., H H Pike & Co., Habana; 125 bbls., Order, Rotterdam; 25 bgs., Order, Smyrna; Candella, 39 cks., C P Hijos, Tampico; Japan, 25 cs., Smith & Nichols Inc., London; Montan, 300 bgs., J H Schroeder, Hamburg; 375 bgs., Strohmeyer & Arpe Co., Hamburg; Paraffine, 2,800 bgs., Asiatic Petroleum Co., Balikpapan; Vegetable, 200 bgs., Borne Scrymser Co., Hamburg

WHITING—1,500 bgs., L Scott Libby Corp., Havre; 1,000 bgs., Hammill & Gillespie, Havre; 500 bgs., C B Chrystal, Havre; 500 bgs., Coupey Fils, Havre

WITHERITE—1,000 bgs., Order, Newcastle

WOOL GREASE—30 drs., 19 cs., E Fougere & Co., Liverpool; 17 bbls., Natinal City Bank, Bremen; 100 cks., Pfaltz & Bauer, Hamburg; 115 bbls., Heemsoth Basse & Co., Hull

ZINC—Oxide, 35 cks., Smith Chemical & Color Co., Rotterdam; Salts, 42 cks., A Klipstein & Co., Antwerp

IMPORTS AT PHILADELPHIA

Dec. 1 to 8

AMMONIA—Carbonate, 27 cks., Harshaw, Fuller & Goodwin Co., Manchester

BONES—504 bgs., Order, Bristol; 84 bgs., Haffleigh & Co., Manchester; Glue, 200,000 kilos, Order, Buenos Aires

CHALK—Crude, 500 tons, Brown Bros & Co., London

CHEMICALS—30 crbys., Henry Sundheimer Co., Inc., London; 138 drms., E H Bailey & Co., London

CLAY—101 tons, Moore & Munger, Bristol; 2 bgs., samples, Moore & Munger, Bristol; 398 tons, Moore & Munger, Bristol; 93 tons, Order, Bristol; Ball, 408 tons, 6 cwt., Various Consignees, Fowey; Blue 400 tons, United Clay Mines Corp., London; China, 1,362 tons, 7 cwt., Various Consignees, Fowey

EARTH—Fullers, 200 bgs., L A Salomon & Bro., London

FLOUR—Tapioca, 578 bgs., Goldman, Sachs & Co., Batavia

FLUORSPAR—Gravel, 211 tons, 6 cwt., W R Grace & Co., Manchester

GLYCERIN—30 drms. Order, Genoa; 130 cks., Order, Marseilles; 101 cks., Order, Marseilles

GUM—Sandarac, 21 bbls., Franklin-Fourth St Nat Bank, Casa Blanca; 8 bbls., Order, Casa Blanca

LIME—200 bgs., Order, Bristol; Chlorinated, 35 cs., H Kohnstamm & Co., Inc., Bristol

LINSEED—9,704 bgs., Order, Montevideo

MYROBALANS—1,600 bbls., Nat City Bank, Bombay; 762 bgs., Baring Bros & Co., Ltd., Bombay

TALC—150 bgs., L A Salomon & Bro., Genoa; Powdered, 100 bgs., F B Vandegrift & Co., Legh rn

WITHERITE—Lump, 153 tons, 10 cwt., Foote Mineral Co., Middlesboro; Small, washed, 50 tons, Foote Mineral Co., Middlesboro

Dec. 8 to 15

ACID—Cresylic, 27 drms., Order, Liverpool; Formic, 100 balloons, R W Greeff & Co., Inc., Rotterdam; Oxalic, 45 cks., Order, Rotterdam

AMMONIA—Chloride, 5 cks., Order, Rotterdam; Muriate, 40 cks., Order, Rotterdam; 20 cks., Order, Rotterdam

AMMONIAC—Sal, 120 cks., Harshaw, Fuller & Goodwin Co., Rotterdam

ASPHALT—1,600 kgs., Roofings, Inc., Bremen

BARIIUM—Chloride, 30 cks., Inter Accept Bank, Inc., Rotterdam

BARYTES—1,395,277 kilos, Order, Rotterdam

BICARBONATE—Kali, 80 bbls., Franklin Fourth St Nat Bank, Rotterdam

CHALK—1,600 bgs., Chatham Phenix Nat Bk & Trust Co., Antwerp

CHEMICALS—50 bbls., Order, Rotterdam; 15 cks., Order, Rotterdam; 125 bgs., Order, Rotterdam; 65 cks., Order, Rotterdam; 160 balloons, Roessler & Hasslacher Chem Co., Rotterdam; 288 drms., Order, Rotterdam; 1 cs., Order, Rotterdam; 300 kgs., Order, Hamburg; 25 bbls., Wm Schall & Co., Bremen

CLAY—700 tons, Enterprise White Clay Co., Hamburg; China, 3,848 tons, 10 cwt., Various Consignees, Fowey; 75 tons, 5 cwt., Various Consignees, Fowey

FLAX—400 bbls., Belmont Packing & Rubber Co., Rotterdam

FLUORSPAR—544,960 kilos, Order, Hamburg; 260,000 kilos, Order, Bremen

GLYCERIN—135 bbls., Hercules Powder Co., Rotterdam; 10 cks., Harshaw, Fuller & Goodwin Co., Marseilles; 47 cks., Order, Marseilles; 16 cks., Order, Marseilles; Dynamite, 110 cks., Hercules Powder Co., Rotterdam

GUM—Copal, 170 bgs., John H Faunce, Inc., Liverpool

LOGWOOD & LOGWOOD ROOTS—1,375 tons, American Dyewood Co., Cape Hayti

MAGNESITE—200 bbls., Brown Bros & Co., Rotterdam

MEAL—Bone, 6,500 bgs., Ralli Bros., Karachi; 1,564 bars, Order, Rotterdam; 1,334 bgs., Order, Liverpool

OCHRE—100 cks., Richard Coulston Inc., Marseilles

OIL—Olive, 150 cs., Order, Genoa; 10 bbls., Order, Messina; Palm, 38 cks., African & Eastern Trading Co., Inc. Hamburg

ORE—Magnetic Iron, 7,160 tons, Buck, Kiaer & Co., Narvik

POTASH—Caustic, 70 cks., Brown Bros & Co., Rotterdam; Muriate, 500 bgs., Societe Commerciale des Potasses d'Alsace, Antwerp; 1,150 bgs., Potash Importing Corp., Bremen

SALTS—Epsom, 500 bgs., Order, Bremen

SODIUM—Prussiate, yellow, 14 cks., Order, Rotterdam; Pyrosulfate, 250 drms., Kuttroff & Pickhardt Co., Rotterdam; Sulfide, 53 drms., Order, Rotterdam

SUMAC—Leaf, 86 bbls., Order, Palermo

IMPORTS AT BALTIMORE

Dec. 2 to 9

CLAY—Fire, 500 bags, 55,600 lbs., Baltimore & Ohio railroad, McKeesport, Havre; Refractory, 500 bags, Baltimore & Ohio railroad, Marigot, Havre

CRYOLITH—55 casks, F H Shallus Co., Marigot, Havre

FULLER'S EARTH—200 bags, L A Salomon & Bro., Nevisian, Liverpool

FERROPHOSPHORUS—364 cases, 87,073 lbs., William M. Muller & Co., Inc., New York; McKeesport, Havre; 407 cases, 209,197 lbs., F H Shallus Co., McKeesport, Havre

FLUORSPAR—403 tons, W R Grace & Co., Manchester Importer, Manchester

MAGNESIUM—Chloride, 8 drums, 2,323 lbs., F H Shallus Co., Altmärk, Hamburg

ORE—Chrome, 1,000 tons, W R Grace & Co., Jalapa, Madras; Iron, 20,000 tons, Bethlehem Steel Corp., Marre, Cruz Grande

PAINT—1 bbl., 680 lbs., John S Connor, Altmärk, Hamburg

POTASH—Chlorine, 889 bags, W G N Rukert, Marigot, Dunkirk; Muriate, 2,360 bags, 474,236 lbs., F H Shallus Co., Altmärk, Hamburg; 6,499 bags, 1,305,962 lbs., Potash Importing Corp., Altmärk; 250 bags, 50,237 lbs., Order, Altmärk, Hamburg; Nitrate, 150 bbls., 70,290 lbs., Harshaw Fuller & Goodwin Co., McKeesport, Dunkirk; Sulphate, 4,950 bgs., 994,693 lbs., F H Shallus Co., Altmärk, Hamburg; Sulphate Magnesia, 1,000 bags, 200,948 lbs., F H Shallus Co., Altmärk, Hamburg; Sylvanite, 20%, 1,133,000 lbs., W G N Rukert, Marigot, Dunkirk

SALT—250 sacks, 25 tons, Baltimore & Ohio railroad, Kearney, Liverpool

WOOL GREASE—100 bbls., 45,679 lbs., Kidder Peabody Acceptance Corp., Altmärk, Hamburg; 230 bbls., 105,085 lbs., Samuel Shapiro & Co., Altmärk, Hamburg

BARYTES—500 bags, F H Shallus Co., Binnendijk, Rotterdam

BONE MEAL—1,589 bags, 440,000 lbs., Swift & Co., West Lashaway, Buenos Aires

CHEMICALS—200 bbls., 41 tons, Sharp & Dohme, Bellflower, Liverpool; 500 bags, Paul Uhlig & Co., Binnendijk, Rotterdam; 140 casks, F H Shallus Co., Binnendijk, Rotterdam

CLAY—China, 180 casks, Order, Binnendijk, Rotterdam

MOLASSES—1,300,000 gals, Cuba Distilling Company, Catahoula, Matanzas

OIL—Harlem, 55 casks, William H Masson, Binnendijk, Rotterdam; 25 casks, F H Shallus Co., Binnendijk, Rotterdam

ORE—Iron, 11,000 tons, Bethlehem Steel Corp., Firmore, Daiquiri; 11,000 tons, Bethlehem Steel Corp., Bintore, Daiquiri; Manganese, 6,600 tons, Norton, Lilly & Co., Crofton Hall, Rio de Janeiro; 1,771 tons, William R. Grace & Co., New York, Curaca, Coquimbo

POTASH—Caustic, 99 drums, William H Masson, Binnendijk, Rotterdam; Kainit, 12.4%, 2,027,740 lbs., French Potash Syndicate, Su-

jameco, Antwerp; **Manure Salt**, 20%, 1,934,480 lbs., French Potash Syndicate, Suja-meco, Antwerp; 30%, 2,284,260 lbs., Order, Suja-meco, Antwerp; 20%, 1,954,803 lbs., F H Shallus Co., Altmarm, Hamburg; 30%, 2,700,489 lbs., F H Shallus Co., Altmarm, Hamburg; **Muriate**, 50%, 1,556,040 lbs., French Potash Syndicate, Suja-meco, Antwerp; 50%, 1,017,878 lbs., Order, Suja-meco, Antwerp; 3,000 bgs., 2,802,844 lbs., F H Shallus Co., Altmarm, Hamburg; **Sulphate**, 399,168 lbs. French Potash Syndicate, Suja-meco, Antwerp
QUEBRACHO EXTRACT—1,057 bags, 89,775 lbs., Order, West Lashaway, Buenos Aires
SODA-Nitrate, 11,493 bags, 2,000,846 lbs., Anthony Gibbs & Sons, Mobile City, Caleta Coloso; 8,133 bags, 1,389,410 lbs., Antony Gibbs & Sons, Mobile City, Caleta Coloso; 65,014 bags, 5,045 tons, W R Grace & Co., Curaca, Antofagasta; 28,811 bags, 2,240 tons, W R Grace & Co., Curaca, Iquique
SADDLE SOAP—2 casks, William H Mas-son, Nevisian, Liverpool
STEARIC ACID—40 bags, Order, Binnendijk, Rotterdam
STEARITE—15 bbls., 8,701 lbs., F H Shallus Co., Clontarf, Leghorn

IMPORTS AT BOSTON

Dec. 4 to 11

ACID—Cresylic, 63 casks, Order, Rotterdam;
ARSENIC—50 casks., R & H Chemical Co., Hamburg
BARIUM SULPHO CYANIDE—5 cases, Order, Rotterdam
CASEIN—2,834 bags, Kalbfleisch Corp., Buenos Aires
CHEMICALS—30 bbls., Stone & Downer Co., Hamburg; 250 bags, Brewer & Co., Hamburg; 500 bgs., Order, Hamburg
MAGNESIUM—Chloride, 272 drums, Innis Speiden & Co., Hamburg
COLOR—Aniline, 2 drums, Dyestuffs Corp of America, Liverpool; 15 casks., Dyestuffs Corp of America, Liverpool; 4 cks., Dyestuffs Corp of America, Liverpool; 4 kegs, Dyestuffs Corp of America, Liverpool

GAMBIER—510 cs., Order, Singapore; 80 bgs., Littlejohn & Co., Singapore
GLYCERIN—14 bbls., I M Sobin Co., Hamburg
GYPSUM—2,000 bags, A Klipstein Co., Hamburg
IRON—Oxide, 6 casks, F W Damon, Liverpool
LITHOPONE—200 cs., A Klipstein Co., Antwerp
POTASH—Caustic, 32 drums, I M Sobin Co., Hamburg
SALAMMONIAC—26 bbls., I M Sobin Co., Hamburg
SODA—Alginate, 5 bags, Joy Chemical Co., Liverpool
SUMAC—350 bags, W & L Montgomery Co., Palermo
TRAGASOL—210 casks., J P Marston Co., Liverpool
WOOL GREASE—100 bbls., G F Ravenel, Liverpool; 110 bbls., Order, Liverpool
ZINC SALT—17 casks., A Klipstein Co., Antwerp

Nov. 27 to Dec. 4

ACID—Formic, 80 carboys, Order, Hamburg
CHALK—500 tons, Order, London
CHEMICALS—3 cs., Fielding Bros., Hamburg; 25 kegs, Order, Hamburg
COLOR—Aniline, 16 casks., Dyestuffs Corp of America, Liverpool; 6 cs., Dyestuffs Corp of America, Liverpool; 4 kegs, Dyestuffs Corp of America, Liverpool
EPSOM SALTS—200 bbls., R & H Chemical Co., Hamburg
EXTRACT—Quebracho, 2,000 bags, Order, Hamburg
GARNETLAC—30 cs., Order, London; 15 bgs., Order, Calcutta
GLUE—100 bags, Order, London
KIRCELAC—425 bags, E S Parks Shellac Co., Calcutta
MOLASSES—800,000 gals., American Molasses Co., Cuba
OIL—Cod, 76 casks., Wm Litchfield, Halifax; 33 casks., J S Bent & Co., Halifax; 299 casks., Marden Wild Corp., Halifax; 1 csk., G C Ellis, Halifax; 4 casks., Arthur Cashin, Halifax; 125 casks., Salem Oil & Grease Co., Halifax; 75 casks., Marden Wild Corp., St Johns; 130 casks., J S Bent & Co., St Johns; **Cod Pressings**, 216 bbls., G J Tarr Co., St Johns
POTASH—Caustic, 25 drums, Superfos Co., Hamburg
OSSEINE—1,311 bags, Kidder Peabody Co., London
SEEDLAC—50 bbls., Order, Calcutta; 141 bgs., Rogers Pyatt Shellac Co., Calcutta; 150 bgs., National City Bank, Calcutta
SHELLAC—50 bags, Order, Calcutta
TARTAR—193 bags, Brown Bros., Havre; 98 bgs., Order, Havre
WOOL GREASE—60 bbls., F W Damon, Liverpool; 100 bbls., Marden Wild Corp., Liverpool
Dec. 11 to 18
ACID—Formic, 208 balloons, R H Chemical Co., Rotterdam; **Oxalic**, 30 casks., A Klipstein Rotterdam
CHALK—2,400 bgs., First National Bank, Antwerp; 3,390 bgs., J H Nicholas Co., Antwerp
GLYCERIN—30 casks., I M Sobin, Rotterdam
LITHOPONE—40 casks., Roffin & Swanson, Antwerp
OIL—Cod, 100 casks., Salem Oil & Grease Co., Stavanger; 15 casks., Marlatt Leather Co., St Johns; 100 casks., F W Damon, St Johns; 164 casks., J S Bent, St Johns; 100 casks., Tarlow Bros., St Johns; 28 casks., Marden Wild Corp., Halifax; 280 casks., J S Bent & Co., Copenhagen; **Cod Liver**, 10 bbls., S Ridder Co., Copenhagen
OSSEINE—1,254 bags, Order, Antwerp
POTASH—Nitrate, 20 casks., I M Sobin Co., Antwerp
SHELLAC—30 bags, Brown Bros., Calcutta; 200 chsts., Rogers Pyatt Shellac Co., Calcutta

Dec. 11 to 18

ACID—Formic, 208 balloons, R H Chemical Co., Rotterdam; **Oxalic**, 30 casks., A Klipstein Rotterdam
CHALK—2,400 bgs., First National Bank, Antwerp; 3,390 bgs., J H Nicholas Co., Antwerp
GLYCERIN—30 casks., I M Sobin, Rotterdam
LITHOPONE—40 casks., Roffin & Swanson, Antwerp
OIL—Cod, 100 casks., Salem Oil & Grease Co., Stavanger; 15 casks., Marlatt Leather Co., St Johns; 100 casks., F W Damon, St Johns; 164 casks., J S Bent, St Johns; 100 casks., Tarlow Bros., St Johns; 28 casks., Marden Wild Corp., Halifax; 280 casks., J S Bent & Co., Copenhagen; **Cod Liver**, 10 bbls., S Ridder Co., Copenhagen
OSSEINE—1,254 bags, Order, Antwerp
POTASH—Nitrate, 20 casks., I M Sobin Co., Antwerp
SHELLAC—30 bags, Brown Bros., Calcutta; 200 chsts., Rogers Pyatt Shellac Co., Calcutta

IMPORTS AT NORFOLK, VA.

Nov. 18 to 25

MUSTARD SEED—300 bags, Order, Rotterdam
OIL—Lubricating, 10 bbls., Ocean Oil Company, London



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 SALES AGENTS

POTASH SALTS—Sylvinit in Bulk, 12.4% 1,160,000 kgs., Soc Comm des Potasses d'Alsace; **Manure Salt in Bulk**, 20%, 1,413,200 kgs., Soc Comm des Potasses d'Alsace, Antwerp; 30%, 484,700 kgs., Soc Comm des Potasses d'Alsace, Antwerp; **Muriate of Potash**, 50%, 924,437 kgs., 10,190 bags, Soc Comm des Potasses d'Alsace, Antwerp; 60%, 54,432 kgs., 600 bags, Soc Comm des Potasses d'Alsace, Antwerp; **Sulphate of Potash**, 24%, 480 kgs., 2,750 bags, Soc Comm des Potasses d'Alsace, Antwerp

Nov. 25 to Dec. 2

LEUNASALPETER—3,039 bags, 30,390 kgs., Order, Rotterdam

PEAT MULL—50 bales, Atkins & Durbrow, Hamburg

GYPSUM—4,875 tons, Eastern Cotton Oil Company, Windsor; 2,140 tons, Charles W Priddy & Company, Hillsborough

POTASH SALTS—**Manure Salt in Bulk**, 30%, 1,050,000 kgs., Potash Importing Corp. of America, Brake, Germany; 20%, 2,306,000 kgs., Potash Importing Corp. of America, Brake, Germany; **Kainit in Bulk**, 12.4%, 1,275,000 kgs., Potash Importing Corp. of America, Brake, Germany; **Muriate of Potash**, 80/85%, 311,000 kgs., Potash Importing Corp. of America, Brake, Germany; **Sulphate of Potash**, 319,500 kgs., Potash Importing Corp. of America, Brake, Germany

IMPORTS AT NEW ORLEANS

Dec. 10 to 17

BENZINE—7,810 tons, New Orleans Refining Co., Curacao

BARIUM-Hydrate, 85 casks, Order, Liverpool

COPRA—4,853 tons, Procter & Gamble, Cebu

CREOSOTE—600,000 gals, Gulf States Creosoting Co., Philadelphia

KAINIT—7,750 bags, Order, Hamburg

MOLASSES—1,650,000 gals., Dunbar Molasses Co., San Pedro

MINERAL WATER—261 cases, Order, Antwerp

OCHRE—130 casks, Order, Havre

POTASH—Nitrate, 13 bbls., Order, Hamburg

Dec. 3 to 10

ALCOHOL—Denatured, 80 drums, Order, San Juan

BENZINE—7,856 tons, New Orleans Refinery, Curacao

BAUXITE—2,300 tons, Republic Mining Co., Georgetown; 2,260 tons, Republic Mining Co., Paramaribo

FERRO-Manganese, 2,000 tons, Order, Gothenburg

MOLASSES—1,200,000 gals., Cuba Distilling Co., Cienfuegos

OIL—Cod Liver, 105 bbls., Order, Gothenburg

RAPESEED—405 sacks, Order, Bremen

SALT—3,280 bags, Order, Liverpool

VANILLA BEANS—9 cases, Order, Vera Cruz

IMPORTS AT SAN FRANCISCO

Nov. 27 to Dec. 4

ALUM—100 cases, Philadelphia Quartz Co., Kobe

COPRA—810 bags, Burns, Philp & Co., Suva; 1,116 bags, Great Pacific Co., Suva; 2,990 bgs. Order, Suva; 22 bags, Pacific Coconut Co., Raratonga; 1,810 bags, Atkins, Kroll & Co., Raratonga; 612 bgs., Crocker First Nat Bank, Raratonga; 3,321 bgs., Wightman & Crane, Papeete; 982 bgs., Pacific Coconut Co., Papeete; 6,000 bgs., Kidder, Peabody Acceptance Corp., Papeete

FELSPAR—50 bags, Order, Stockholm

GUM—Damar, 144 cases, Atkins, Kroll & Co., Singapore; 60 cases, Italian-American Bank, Tientsin

LINSEED—400 bags, Pacific Trading Co., Tientsin

LIME—Nitrate, 203 cases, R W Greeff & Co., Inc., Brevik

OIL—Coconut, 280 tons, Procter & Gamble, Manila; C d, 100 drums, Order, Yokohama; 35 cases, Charles Cable Co., Yokohama; Olive, 25 cs., Mailliard & Schmiedell, Bordeaux; 50 cases, American Factors, Ltd., Bordeaux; 20 cases, Goldberg, Bowen & Co., Bordeaux; **Palm**, 227 bbls., Balfour, Guthrie & Co., Singapore

POTASH SALTS—41 bbls., American Bank, Antwerp

PARAFFIN WAX—800 bags, Shell Co. of California, Hongkong

ROSIN—467 cases, Peet Bros., Manzanilla

TAR—40 drums, Order, Gothenburg; 25 bbls., Order, Stockholm

TURPENTINE—25 drums, Order, Gothenburg

WHITING—660 bags, Order, Gothenburg

Dec. 4 to 11

ACID—50 kegs, Order, Rotterdam; 25 drums, L H Butcher Supply Co., Hamburg

BONE MEAL—3,000 bags, Balfour, Guthrie & Co., Hongkong

CHEMICALS—69 casks, Order, Rotterdam; 30 casks, Braun, Knecht & Heumann

CHLORIDE—6 bags, Meyer, Wilson & Co., Manchester

COPRA—3,156,814 lbs., Pacific Oil & Lead Works, Cebu; 257,600 lbs., Order, Cebu; 315 tons, Pacific Oil & Lead Works, Cebu; 616 tons, El Dorado Oil Works, Legaspi; 467 tons, Kidder, Peabody Acceptance Corp., Hongkong; 259 tons, Vegetable Oil Corp., Hongkong; 500 tons, El Dorado Oil Works, Romblon

COPRA MEAL—1,120 bags, Atkins, Kroll & Co., Manila

GUM—Copal 61 bags, Order, London

KAPOC—80 bales, Lilienthal Lee & Co., Hongkong

OAKUM—50 bales, S L Jones & Co., Kobe

OIL—C d, 50 bbls., Raymond Co., Hamburg; 50 bbls., Pacific Commercial Laboratory, Hamburg; **Wood**, 280 tons, S L Jones & Co., Hankow; 300 tons, Pacific Orient Co., Hankow

POTASH—465 drums, Pacific National Bank, Hamburg; **Alum**, 50 bbls., Bank of California, N A, Hamburg

SEED—Poppy, 100 bags, Catz American Co., Rotterdam; **Rape**, 100 bags, Order, Liverpool

SHELLAC—5 bags, H W Peabody & Co., Hongkong

SPICES—Cinnamon, 150 bales, D Hecht & Co., Hongkong; 50 bales, Bank of California, N A, Hongkong; **Clove**, 100 bales, Standard Bank of South Africa, Rotterdam; **Ginger**, 20 bags, Order, Cristobal; **Nutmegs**, 22 cs., Order, Rotterdam; **Pimento**, 100 bgs., Order, Cristobal

TAR—22 drums, Order, Hamburg

[New Incorporations]

Corrugated Cattle Cake & Cottenseed Oil Co. Ltd., Toronto, Can.; \$80,000 and 20,000 shares, no par; Horace B. Proudlove, Lillian E. Cork, Bertha M. Hawkins.

Gas Hydrocarbon Recovery Corp., New York; \$1,390,000 to \$1,590,000.

Bureurmac Pulp & Paper Co., Atlantic City, N. J.; \$40,000; John M. Burby, E. L. Curtin, James R. MacDonald.

Lincol Products Co., Inc., Dover, Delaware; \$100,000; oils, paints and paint materials.

Electrical Limestone Co. of New York; Dover, Delaware; \$100,000; quarries.

Johnstown Tanning Co., New York; 100 common, no par; H. Oppenheim, S. Silverman, H. L. Williams.

J. W. Goddard & Sons, New York; \$10,000; textiles; G. H. Strawbridge, J. C. Berry, Jr., L. T. McManus.

U. S. Vanadium Corp., Wilmington, Del.; \$4,000,000; minerals, A. L. Miller.

General Gypsum Co., Wilmington, Del.; \$10,000; stone, lumber, A. L. Miller.

International Alloys Corp., New York; 3,000 shares common, no par, mines and metals; M. M. Carey, R. B. Fenner, H. S. Lockwood.

Premier Polish Co., Brooklyn, N. Y.; \$10,000; chemicals for cleaning leather; M. M. Larkin, J. Trachman, J. E. Venitt.

Henry V. Walker Co., Newark, N. J.; manufacture lacquers, enamels, etc.; T. Bryant Smith, Gerald McLaughlin, Herbert R. Baer.

Peapack Limestone Products Co., Peapack, N. J.; \$100,000; Alice A. Sprague, Marguerite B. Sprague, Ezra Sprague.

Darby Brick & Tile Co., Dover, Del.; \$1,500,000; brick, terra cotta, tile, clay and ceramic products; John F. O'Brien, Joseph Killoran, John J. Tobin.

El Oro Mining Corp. of New York; Wilmington, Del.; \$250,000; minerals; Harry C. Hand.

Gummey McFarland & Co. Inc., Haverford, Pa.; \$250,000; iron, steel; Frank A. Cabeen, Jr.

Red River Crushed Stone Co., Dover, Del.; \$20,000; asphalt, limestone, stone.

Economy Metal Products Corp., New York; 500 shares, \$100 each; 1,000 shares common, no par; T. P. Wilson, Jr., K. M. Spencer, H. Hicks.

Rosebud Silk Mills, Paterson, N. J.; \$125,000; Abraham Rosenberg, Isidore Joseph, Esther Smith.

Oilrite Corp., Red Bank, N. J.; 1,000 shares, no par; petroleum products, Chester J. Smith, Emil Bauman, Robert Burt.

National Malleable & Steel Castings Co. of Wilmington, Del.; \$1,200,000; iron, steel, brass.

International Bleaching Corp., Wilmington, Del.; \$100,000; patents; Charles B. Bishop.

International Cellulocotton Products Co., Wilmington, Del.; \$26,000,000; 40,000 shares preferred stock without nominal or par value and 220,000 shares of common stock, no par value; merchandise of wood, cotton, paper, soaps, fats, oils.

Waterloo Rubber Specialty Mfg. Co. Ltd., Waterloo, Ont., Canada, \$100,000; Norman H. Letter, Arthur McBride, Charles A. Boehm.

The Standard Radium Products Co. Ltd., Toronto, Canada; \$40,000; Alfred H. Tyrer, Elliott Tyrer, David McMillan.

Jones Bros. of Canada, Ltd., Toronto, Canada; 14,000 shares, no par value, manufacturers of chemicals; Sydney Jones, Harold E. Manning, John H. Thomson.

The Straw Paper Co. of Canada, Ltd., Edmonton Alberta, Canada; \$500,000 and 10,000 shares, no par value; George W. Taylor, Robert H. Harrison, Paul E. Poirier.

Fyler Chemical & Supply Co., Hartford, Conn., \$50,000; manufacture buy and sell all kinds of chemicals.

Beachfire Fagots, Inc., Boston, Mass., \$7,500; deal in chemicals and acids; F. S. Hamilton, F. H. Hamilton, Jr.

Sneed Royalty Co., Wilmington, Del.; \$8,125,000; T. L. Croteau.

Mowak & Schwartz Leather Co., Wilmington, Del.; \$50,000; Ernest Mowak.

General Adhesive Mfg. Co., New York; \$10,000; paste and gums; J. Oppenheim M. Lutzgarten, E. Van Raalte.

Westvaco Chlorine Products Corp., Wilmington, Del.; \$1,700,000; chemicals; T. L. Croteau.

Pain Chex Co. of America; Wilmington, Del.; \$1,000,000; chemicals; J. M. Ferre.

Syn-Rub Mfg. Co., Wilmington, Del.; \$250,000; manufactured products; H. C. Hand.

Aristo Rubber Corp., Wilmington, Del.; \$135,000; manufactured products; T. L. Croteau.

The Editor's Correspondence

Editor, CHEMICAL MARKETS:

As a faithful reader of your journal, I was very much interested in the article which you devoted to the extraction process used by Messrs. Baker & Carter and Keystone Wood Products Co. relative to the installation in the plant of this last-named company of the Brewster process for the extraction of acetic acid. I have specialized for several years in France in the carbonizing of wood in closed vessels and I have studied very carefully all of the new developments which have taken place in this industry, and have not missed the Brewster process. I have not had occasion to see it applied on a large scale, but from studies which I have made I have drawn the conclusion that even though the process may be theoretically interesting, it will present some inconvenient industrial problems.

On one hand, the very low point of distillation of the ether used in the process, and the high price of the raw materials, and on the other hand the fact that when one must distill the mixture of acetic acid and ether, it is necessary to vaporize the ether entirely, which must be done at renewed high temperatures, yielding a distillation rather than a separation.

I think, on the other hand, that there exists today a process perfected by Prof. Suida, of Vienna, Austria, which presents all the advantages of the Brewster process without having its inconveniences.

This process, which has been in the experimental stage for the last two years on a semi-industrial plan, gives the results which appear most remarkable. The process will be placed on an industrial basis in the early part of next year.

The process consists of extracting acetic acid from pyroligneous acid, from which the alcohol has been removed, by passing steam over this acid which is in a heavy and very cheap solvent. As a solvent Prof. Suida uses some products which have an oxidizing function at boiling temperature.

At the present time the process has been worked out on the basis of using cresol, but it is very probable that this shortly will be replaced by some other solvent less disagreeable and yet which will allow the simplification of the apparatus employed.

However, this process, as it is today, permits the extraction from pyroligneous acid of concentrated acetic acid in a purity at least equal to those acetic acids obtained by decomposition of acetate of lime by mineral acid.

The amount of combustibles required run from 1½ kilogram to 1.8 kilogram per kilogram of dealcoholized pyroligneous acid treated, and the losses of the solvent are about 3 parts per thousand and never exceed 5 parts per thousand.

It is easy from these very simple indications to figure out that the cost of recovering acetic acid obtained by acetic acid manufactured by the most perfected scientific process. I have the impression under these conditions, that the new process of direct concentration of the Suida process is lower than the cost of recovering acetic acid by extraction from pyroligneous acid will permit the wood carbonization industry in closed vessels, which has been so seriously menaced by the double synthesis of acetic acid and methanol, to defend itself against these tendencies and get off to a fresh start.

Very truly yours,

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Issued Nov. 4, 1926

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- 433,276—Fast Printed Effects. I. G. Farbenindustrie A. G., Frankfurt. Dec. 25, 1924.
- 433,415—Distilling Hydrocarbon Vapor-Yielding Substances with the aid of superheated steam. Milon James Trumble, Los Angeles. Aug. 1, 1923.
- 433,663—Recovery of Volatile Solvents. N. B. Algemeene Chemische Produktenhandel The Hague. March 12, 1925.
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- 433,665—Regulating Valve. Kurt Weber, Rauxel i. W., Germany. Sept. 17, 1925.
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- 433,250—Well Defined High Concentrations of Active Hydrogen, process. Dr. Alfred Thiel, Marburg, Lahn, and Dr. Gerhard Stampe, Charlottenburg. Nov. 28, 1925.
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- 433,291—High Grade Technical Oils from low grade waste fats and oils. Continentale A. G. fuer Chemie, Berlin. Dec. 12, 1924.

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- 433,292—Tannins. I. G. Farbenindustrie A. G., Frankfurt. Feb. 20, 1919.
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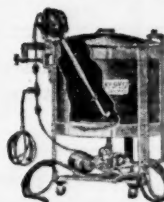
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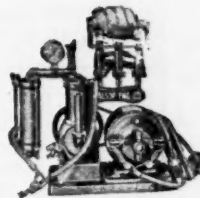
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Local Market Conditions

LOS ANGELES

Chemical business conditions here are good as is business in general. As might be expected at this season of the year, the most active items are caustic soda, soda ash and bicarbonate of soda moving on contract for delivery over 1927. Otherwise, the market is fairly active and there have been no price changes worthy of comment. Collections are fair.

SAN FRANCISCO

Conditions in the chemical business in the San Francisco district continue good with the most active items at the moment being rosin and turpentine, which are receiving considerable attention from the trade. Quicksilver is the outstanding article in which little business is being done. There are the usual annual contract sales in progress at a volume well up to the average. Collections are improving.

CHICAGO

While business conditions are fair in Chicago the usual holiday slowing up has set in and the market has taken on a routine appearance. Most heavy chemicals are moving in some volume for delivery over next year, but the inquiry for immediate shipment is very light. The market has not been featured by an important price change in some weeks. Collections continue good.

BOSTON

A good movement in denatured alcohol continues to feature activity in the chemical markets over New England. Otherwise the activity for immediate deliveries is rather limited with Glauber salts moving well. Sales on contract are still quite brisk and in general the prices are well maintained and have shown no change since last reported. Collections are good.



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Local Market Conditions

DETROIT

At present the buying in the Detroit district is limited to small lots because of the approach of inventory season. Contract business on most chemicals is brisk and alcohol and glycerin continue in excellent demand for immediate requirements. The general line of acid shows a firmer tone and marks the only price movement of the last two weeks. Collections, which were only slow, have shown a marked improvement and are now classed as good.

KANSAS CITY

In contrast to former years the activity in chemical business continues good at this season and in general a better feeling prevails. Usually at this time there is a noticeable let down in the buying activity and all attention is turned to inventory. The inquiry on contracts over 1927 is very brisk, particularly on alkalis and acids. There had been some slowness in alcohol and solvents, but these items are again in good demand. Epsom salts advanced 25c 100 lbs. early in the month and at this level are in good demand. Otherwise there have been no important price changes during the month. Collections have shown some improvement over the slowness of some weeks back.

NEWARK

Chemical business in the New Jersey territory is characterized as good and improving and though at the moment there are no outstanding items, activity in alcohol, glycerin, sulfuric acid, Glauber salts and sal soda has been good. Advances in carbon tetrachloride early in the month and a recent advance in formaldehyde have been the most important price changes during December. Collections average from fair to good.

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Local Market Conditions

BUFFALO

Alcohol continues as the article of prime interest to the trade in this territory. Business conditions in general are good, but there have been no advances in price on any items since the last report. There is some interest in chinawood oil, which has been on the decline for the past two weeks and buyers are taking advantage of the situation by covering at favorable levels. The usual contract business in heavy chemicals and acids is moving along at an average gait. Collections are fair.

CLEVELAND

Chemical conditions in this territory are fair and improving. While the demand for spot alcohol is somewhat routine, there is considerable inquiry for futures and most of the distillers are not anxious to book orders ahead to any extent. Linseed oil has shown rather a firm tone during the past week, but at the moment the market shows easier tendencies, and there is little inquiry for linseed at present. Rosins and turpentine are dull. Otherwise the market is well maintained on all items and contract business over next year is up to sellers' expectations.

PHILADELPHIA

The usual conditions in the industry at this time of the year now prevail. Glycerin, denatured alcohol, castor oil and Epsom salts are the most active items at the moment. Castor oil in particular is very firm in this territory and another advance is expected almost momentarily. Glycerin is also firm. The movement in heavy chemicals for prompt shipment is limited and this is particularly true of blanc fixe and sal ammoniac. Contracts on most items for 1927 are being put through in good volume and many concerns are taking contracts instead of waiting to buy as needed throughout the year. Collections are fair.

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Buyers Guide

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Coal-Tar

American-British Chemical Supplies, Inc.
Baird & McGuire, Inc.
Barrett Co.
Calco Chemical Co.
Cooper & Co., Charles
Du Pont de Nemours & Co., E. I.
Greiff & Co., R. W.
Innis, Spelden & Co.
Jordan & Bro., Wm. E.
Monsanto Chemical Works
Roessler & Hasslacher Chemical Co.
Tar Acid Refining Corp.

Organic

American Cyanamid Co.
Cleveland-Cliffs Iron Co.
Cooper & Co., Charles
Eastman Kodak Co.
General Chemical Co.
Grasselli Chemical Co.
Gray & Co., William S.
Greiff & Co., R. W.
Heyden Chemical Corp.
Innis, Spelden & Co.
Mallinckrodt Chemical Works
Monsanto Chemical Works
Roessler & Hasslacher Chemical Co.
Victor Chemical Works

Mineral

American Cyanamid Co.
Cooper & Co., Charles
Du Pont de Nemours & Co., E. I.
General Chemical Co.
Grasselli Chemical Co.
Heyden Chemical Corp.
Monsanto Chemical Works
Pennsylvania Salt Manufacturing Co.

ALCOHOL

Denatured

American Solvents & Chemical Corp.
Berg Industrial Alcohol Co., David
Commercial Solvents Corp.
Federal Products Co.
Gray & Co., William S.
Miner-Edgar Co.
Roessler & Hasslacher Chemical Co.
Seaboard Chemical Co.
U. S. Industrial Alcohol Co.

Methanol

Cleveland-Cliffs Iron Co.
Cooper & Co., Charles
Gray & Co., William S.
Greiff & Co., R. W.
Miner-Edgar Co.
Roessler & Hasslacher Chemical Co.
Seaboard Chemical Co.

ALKALIES

Arnold, Hoffman & Co.
Church & Dwight
Electro Bleaching Gas Co.
Grasselli Chemical Co.
Innis, Spelden & Co.
Mathieson Alkali Works
Michigan Alkali Co.
Niagara Alkali Co.
Pennsylvania Salt Manufacturing Co.
Roessler & Hasslacher Chemical Co.
Solvay Process Co.
Warner Chemical Co.
Winkler & Bros., Co., Isaac

ALUMS

Cooper & Co. Charles
General Chemical Co.
Grasselli Chemical Co.
Greiff & Co., R. W.
Innis, Spelden & Co.
Monsanto Chemical Works
Pennsylvania Salt Co.
Roessler & Hasslacher Chemical Co.

AMMONIA or SALTS

Barrett Co.
Benkert & Co., W.
Cooper & Co., Charles
Dow Chemical Co.
General Chemical Co.
Grasselli Chemical Co.
Greiff & Co., R. W.
Innis, Spelden & Co.
Mallinckrodt Chemical Works
Mathieson Alkali Works
Roessler & Hasslacher Chemical Co.
U. S. Industrial Chemical Co., Inc.

DYE & TAN STUFFS

American-British Chemical Supplies, Inc.
Arnold, Hoffman & Co.
Calco Chemical Co.
Du Pont de Nemours & Co., E. I.
General Dyestuff Corp.
Monsanto Chemical Works
National Aniline & Chemical Co.
Newport Chemical Works
Seaboard Chemical Co.
Starkweather Co., J. U.

FILLERS & CLAYS

American-British Chemical Supplies, Inc.
Arnold, Hoffman & Co.
Hammill & Gillespie
Innis, Spelden & Co.
Miner-Edgar Co.
Roessler & Hasslacher Chemical Co.
Wishnick-Tumpeur Inc.

PIGMENTS & COLORS

Cabot, Godfrey L.
Calco Chemical Co.
Cooper & Co., Charles
Du Pont de Nemours & Co., E. I.
General Dyestuff Corp.
Industrial Chemical Co.
Innis, Spelden & Co.
National Aniline & Chemical Co.
Newport Chemical Works
Wishnick-Tumpeur, Inc.

ACCELERATORS

American Cyanamid Co.
Cleveland-Cliffs Iron Co.
Dovan Chemical Corp.
Dow Chemical Co.
Du Pont de Nemours & Co., E. I.
Grasselli Chemical Co.
Greiff & Co., R. W.
National Aniline & Chemical Co.
Roessler & Hasslacher Chemical Co.

FERTILIZER SUPPLIES

American Cyanamid Co.
Barrett Co.
General Chemical Co.
Greiff & Co., R. W.
Innis, Spelden & Co.
Roessler & Hasslacher Chemical Co.

INSECTICIDES

Dow Chemical Co.
General Chemical Co.
Grasselli Chemical Co.
Greiff & Co., R. W.
Jordan & Bros., Wm. E.
Roessler & Hasslacher Chemical Co.

INDUSTRIAL CHEMICALS

American-British Chemical Supplies, Inc.
American Cyanamid Co.
American Solvents & Chemical Corp.
American Potash & Chem. Corp. (borax)
Arnold Hoffman Co.

Baird & McGuire, (cresols)

Barrett Co., The
Cabot Godfrey L. (carbon blk.)
Carbide & Carbon Chemical Corp.
Carus Chemical Co.
Church & Dwight (soda bicarb.)
Cleveland-Cliffs Iron Co. (wood chem.)
Commercial Solvents Corp. (butanol)
Cooper Charles & Co.
Croton Chemical Corp.
Dovan Chemical Co. (rubber accel.)
Dow Chemical Co.
Du Pont de Nemours & Co. E. I.
Emery Candle Co.
Electro Bleaching Gas Co. (chlorine)
General Chemical Co.
Grasselli Chemical Co.
Gray William S. & Co., (wood chem.)
Greiff & Co., R. W.
Industrial Chemical Co.
Innis, Spelden & Co., Inc.
International Salt Co.
Mathieson Alkali Works
Merchants Chemical Co.
Michigan Alkali Co.
Miner-Edgar Co. (wood chem.)
Monsanto Chemical Works
Niagara Alkali Co.
Pacific Coast Borax Co.
Parsons & Pettit (sulfur)
Pennsylvania Salt Manufacturing Co.
Roessler & Hasslacher Chemical Co.
Seaboard Chemical Co. (wood chemicals)
Selden Co.
Solvay Process Co. (alkalies)
Starkweather Co., J. U.
U. S. Industrial Alcohol Co., Inc.
U. S. Industrial Chemical Co., Inc.
Victor Chemical Works
Warner Chemical Co.
Warda & Co., John C.
Winkler & Bros. Co., Isaac (alkalies)
Wishnick-Tumpeur Inc.

SOLVENTS

American-British Chemical Supplies Inc.
American Solvents & Chemical Corp.
Barrett Co., The
Berg Industrial Alcohol Co., David
Commercial Solvents Corp.
Cooper & Co., Charles
Dow Chemical Co.
General Chemical Co.
Grasselli Chemical Co.
Gray & Co., William S.
Greiff & Co., R. W.
Industrial Chemical Co.
Innis, Spelden & Co.
Miner-Edgar Co.
Roessler & Hasslacher Chemical Co.
Seaboard Chemical Co.
Uhe, George
U. S. Industrial Alcohol Co.
U. S. Industrial Chemical Co.
Warner Chemical Co.
Wishnick-Tumpeur, Inc.

COAL-TAR, CRUDES & INTERMEDIATES

American-British Chemical Supplies, Inc.
Baird & McGuire, Inc.
Barrett Co., The
Cooper & Nephews, Wm.
Calco Chemical Co.
Du Pont de Nemours & Co., E. I.
General Dyestuff Corp.
Grasselli Chemical Co.
Gray & Co., William S.
Mathieson Alkali Works
Monsanto Chemical Works
National aniline & Chemical Co.
Newport Chemical Works
Tar Acid Corp.
Wishnick-Tumpeur, Inc.

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Trageser Steam Copper Works, John
Champion Container Co.
Fetter Steel Barrel Co.
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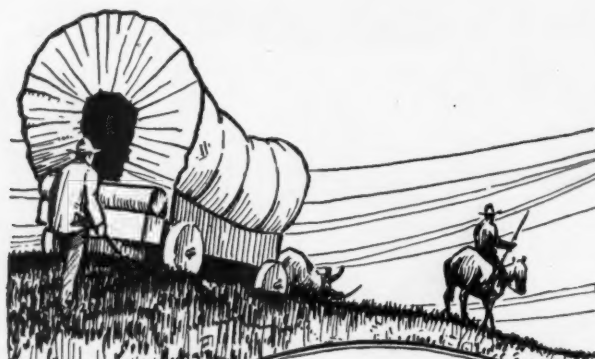
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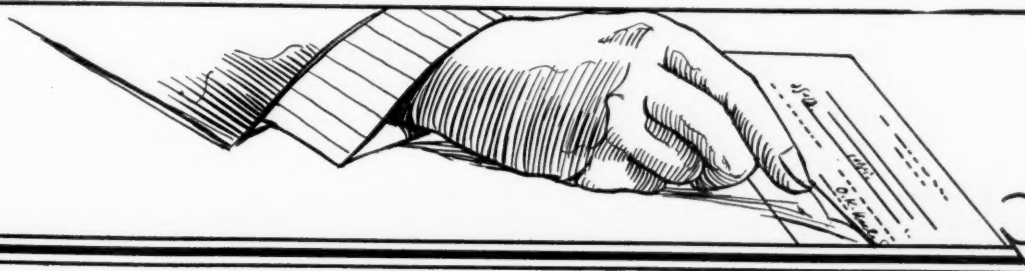
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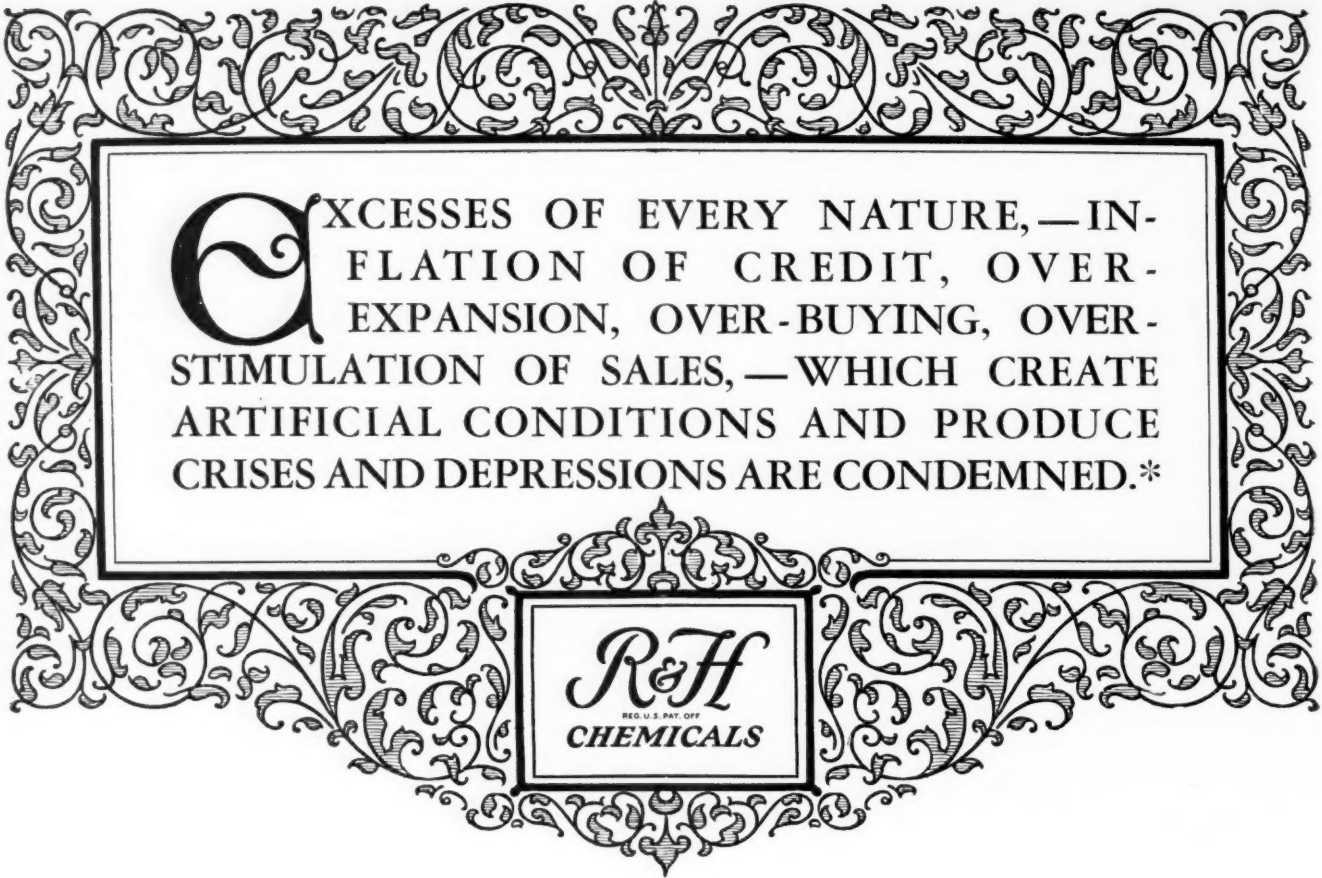
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